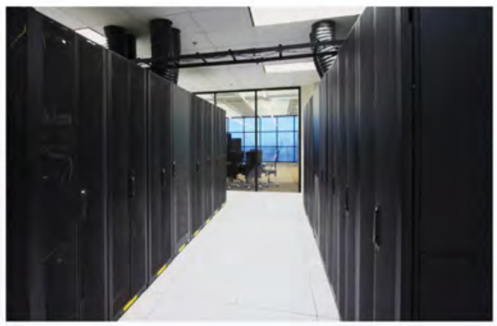


Tripp Lite UPS Systems

Reliable, efficient, manageable power and battery backup


Reliable, efficient, manageable power and battery backup • Reliable, efficient, manageable power and battery backup • Reliable, efficient, manageable power and battery backup

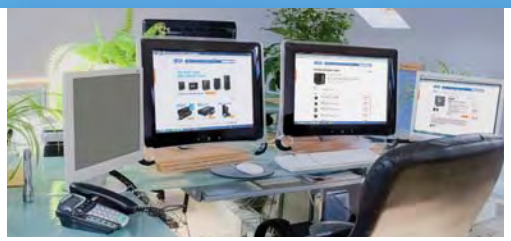
HOW TO CHOOSE A UPS SYSTEM

It would be nice if utility power was always reliable, but it isn't. Between the aging grid, growing demand, severe weather and hazards lurking inside your own walls, your equipment is under constant attack. You can prevent equipment damage, data loss and downtime by installing a UPS system to regulate incoming AC power and provide battery backup during outages.

Whether you're supporting racks of mission-critical servers in your data center or a single desktop computer in your home office, Tripp Lite can provide the UPS you need to get the job done. And with Tripp Lite, you'll get more for your money.

But with so many models to choose from, how can you determine which UPS is best for your application? Consider the five questions on the next page to help you choose.

FIND IT FAST!
Try our interactive UPS selector guide at **www.tripplite.com/upsguide**



Five Basic Questions to Consider When Choosing a UPS System

1. Do you need a Network/Server UPS or a Desktop UPS?

Network/Server UPS Systems protect equipment in high-availability environments like data centers. Desktop UPS Systems protect computers, peripherals and other electronics in your home or office.

You need a Network/Server UPS if you answer yes to any of these questions:

- Will the UPS support mission-critical equipment?
- Will the UPS be installed in a rack or rack enclosure?
- Do you want the UPS to have expandable runtime?
- Will the UPS support a load higher than 750 watts?
- Does your equipment require pure sine wave power?
- Will the UPS support high-voltage (200-250V) loads?

2. How much UPS capacity do you need?

To estimate capacity requirements, add up the wattage of all the equipment you plan to connect. (Refer to the equipment manufacturer's documentation to find the wattage. If output is listed in amps, multiply by the AC voltage to estimate wattage. If you can't find documentation, refer to the equipment nameplate.) Check the UPS system specifications to see which models will handle your requirements.

Note: This method provides a rough estimate, but we recommend that you use our UPS product selector at www.tripplite.com/upsguide or contact your Tripp Lite representative for a more precise estimate.

3. Which input and output power connections do you need?

Check the UPS specifications to make sure the UPS can connect to a compatible AC circuit/outlet in the installation location. You also need to make sure the UPS system's outlets match the plugs and voltage requirements of your equipment. You can provide additional outlets, placement flexibility and management capabilities by connecting one or more Tripp Lite PDUs to the UPS output.

4. How much battery backup runtime do you need?

With an 80% load, included UPS batteries typically provide five to ten minutes of runtime. That's long enough to outlast most outages. If you need additional runtime, choose a UPS system that supports connecting external battery packs. Go to **www.tripplite.com/runtime** for interactive battery backup runtime charts for every UPS model. You can see how battery pack options affect runtime at any wattage level, download traditional runtime chart PDFs and determine the wattage requirements of your equipment.

5. What other UPS features do you need?

Tripp Lite manufactures more than 200 different UPS systems suitable for a wide range of applications and budgets. See pp. 4-5 for a comparison of the key features available in each UPS family.

Desktop UPS Systems

EXTRA PROTECTION / HIGHER CAPACITY ▶ EXTRA PROTECTION /

Features	Standby Protection	Line-Interactive Protection	Line-Interactive / On-Line Protection
			
	ECO-UPS™, Internet Office®, BC Pro® and BC Personal® Standby UPS (pp. 34-35)	OmniSmart®, Digital, Smart USB, OmniVS® and AVR Series Line-Interactive UPS (pp. 32-33)	Small Network/Server UPS* (Models 1500VA or Less - See p. 5 for More Information)
POWER PROTECTION			
Available Load Capacities	**300VA to 1400VA**	**300VA to 1500VA**	**500VA to 1500VA**
Surge/Noise Protection	Yes	Yes	Yes
Data Line Protection	Select Models	Select Models	Select Models
Voltage Regulation	No	Yes	Yes
Expandable Runtime	No	Two Models	Select Models
CONVENIENCE			
Compact Form Factors	Low-Profile or Tower	Low-Profile or Tower	Tower or Rack/Tower
Simple Operation	Yes	Yes	Yes
GREEN BACKUP POWER			
High Efficiency	Most Models	Most Models	Most Models
Green Outlet™ Technology	ECO-UPS Models	No	No
COMMUNICATIONS AND MANAGEMENT			
Diagnostic LEDs	Most Models	Most Models	Select Models
LCD Status Screen	Select Models	Digital (LCD) Models	Select Models
Serial and/or USB Ports	Most Models	Yes	Yes
Switchable Outlet Banks	No	No	Select Models
Manageable via Host Computer	Most Models	Yes	Yes
Centrally Manageable	Most Models	Yes	Yes

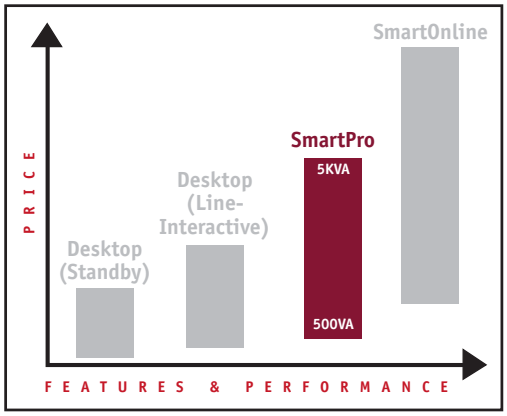
* Although small Network/Server UPS Systems can be ideal for important desktop applications (such as protecting critical workstations), some Network/Server UPS Systems have high-speed cooling fans that may not be suitable for low-noise environments. Contact your Tripp Lite representative for assistance if you are considering this option.

Network/Server UPS Systems

HIGHER CAPACITY ▶ EXTRA PROTECTION / HIGHER CAPACITY

	Line-Interactive Protection		On-Line Protection		Hot-Swappable On-Line Protection	
						
Features	**SmartPro Tower UPS (pp. 12-13)**	**SmartPro Rack/Tower UPS (pp. 6-11)**	**SmartOnline Tower UPS (pp. 20-21)**	**SmartOnline Rack/Tower UPS (pp. 14-19)**	**SmartOnline Hot-Swappable Rack/Tower UPS (pp. 14-19)**	**SmartOnline 3-Phase UPS (pp. 22-29)**
POWER PROTECTION						
Available Load Capacities	**750VA to 3kVA**	**500VA to 5kVA**	**750VA to 3kVA**	**750VA to 5kVA**	**5kVA to 20kVA**	**20kVA to 80kVA**
Surge/Noise Protection	Yes	Yes	Yes	Yes	Yes	Yes
Expandable Runtime	Select Models	Select Models	Yes	Yes	Yes	Yes
Voltage Regulation	Yes	Yes	Advanced (±2%)	Advanced (±2% or ±3%)	Advanced (±3%)	Advanced (±3%)
Pure Sine Wave Output	Select Models	All Models >500VA	Yes	Yes	Yes	Yes
True On-Line Operation	No	No	Yes	Yes	Yes	Yes
GREEN BACKUP POWER						
High Efficiency	Most Models	Yes	Yes	Yes	Yes	Yes
High Power Factor	One Model	Most Models	Most Models	Most Models	Most Models	Yes
Economy Mode Operation	N/A	N/A	Yes	Yes	Yes	Yes
HIGH AVAILABILITY						
Input Voltage Range	Wide	Wide	Very Wide	Very Wide	Very Wide	Very Wide
Industrial Overload Capacity	No	No	No	No	Yes	Yes
Automatic Bypass	No	One Model	Yes	Yes	Yes	Yes
Hot-Swappable Battery	Yes	Yes	Yes	Yes	Yes	Yes
Hot-Swappable Power Module(s)	No	One Model	No	No	Yes	Yes
Built-in N+1 Redundancy	No	No	No	No	N+1 Models	Modular Models
COMMUNICATIONS AND MANAGEMENT						
Control Panel	LEDs	LEDs or LCD	LEDs or LCD	LEDs and/or LCD	LEDs and LCD	LEDs and LCD
Serial and/or USB Ports	Yes	Yes	Yes	Yes	Yes	Yes
Switchable Outlet Banks	Select Models	Most Models	Yes	Select Models	No	No
Manageable via Host Computer	Yes	Yes	Yes	Yes	Yes	Yes
Manageable via Network Card	Select Models	Yes	Yes	Yes	Yes	Yes
Centrally Manageable	Yes	Yes	Yes	Yes	Yes	Yes

SmartPro Line-Interactive Rack/Tower UPS Systems



- 500 - 5,000VA
- Internal Batteries and Extended Runtime Options
- Automatic Voltage Regulation (AVR)
- Rack/Tower/Stack Adaptable

Conserve Space—Slim as 1U!

SmartPro Rackmount/Tower UPS Systems provide more battery backup (up to 5000VA) and premium features in compact cases (as slim as 1U) which make the best use of available rack space.

Protect Every Application

SmartPro Rackmount/Tower UPS Systems are available in a wide variety of capacities to protect every size computer application from downtime, damage and data loss due to power problems. SmartPro Rackmount/Tower UPS Systems provide protection against all types of power problems, including brownouts, blackouts, surges and line noise. Line-interactive operation—also known as automatic voltage regulation (AVR)—automatically regulates incoming voltage to keep equipment working through low voltage (brownouts) and high voltage conditions* indefinitely, without draining battery power. SmartPro Rackmount/Tower UPS Systems provide reliable battery power to keep computers up and running through short blackouts and allow enough time to save data and shut down during longer ones. In addition, all AC outlets are backed by internal surge suppression and line noise filtering components to protect equipment from damage due to lightning and surges or malfunctions and poor performance due to line noise.

** SMART500RT1U models supply battery power during high voltage conditions.*

A W A R D - W I N N I N G T R I P P L I T E R E L I A B I L I T Y

"I found Tripp Lite's product quality and customer support to be head-and-shoulders above the field."
Kraft Foods *Alane Watkins, Systems Administrator*

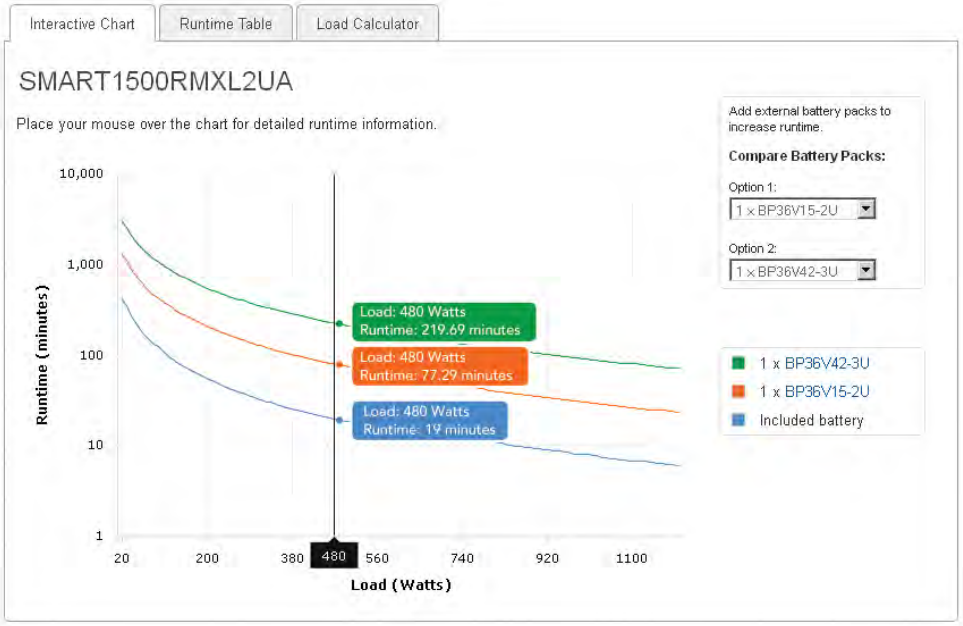
Extend Runtime

Select models accept external battery packs to provide extended runtime. Without enough runtime, businesses stand to lose up to $70,000 per hour according to a survey on the cost of lost productivity for an hour of network downtime.*

* IDC.

Extending runtime is as simple as plugging in additional external battery packs.

Extended Runtime Charts



Go to **www.tripplite.com/runtime** for interactive battery backup runtime charts for every UPS model.

Adapt to Rack/ Tower/Stack Applications

Adapt all models from rack-mount to tower or stacking applications.*

- Removable rack hardware
- Optional base stands

Rack/Tower UPS with optional base stands.

** 1U models include hardware to adapt to tower mounting. Optional base stands (model: 2-9USTAND) are available to adapt any combination of models, from 2U to 9U wide, to tower mounting.*

Manage Multiple Servers

Multiple built-in communication ports provide the ability to simultaneously manage multiple servers without the need for accessories. Using PowerAlert software, models with multiple communication ports will simultaneously provide intelligent communications, shutdown commands and reporting on multiple servers—even if they are running different operating systems.* Intelligent communications allow you to check UPS status (including battery charge level) and AC power status as well as reboot switched outlet banks.

** Additional PowerAlert features: pages 30 and 31.*

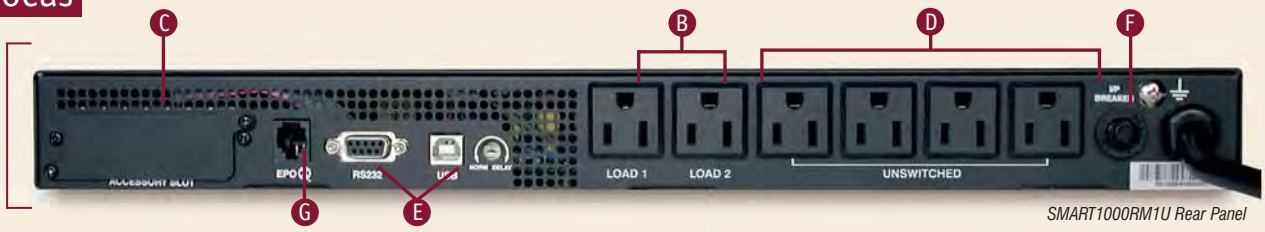
Protect Telecom Applications

Protect large telecom equipment and servers with a specially designed SmartPro Rackmount/Tower UPS System—SMART5000TEL3U. The SMART5000TEL3U allows you to power and protect multiple pieces of high-voltage equipment from a single 208V circuit. In addition, the SMART5000TEL3U features two 120V outlets to support low-voltage monitors and peripherals used with high-voltage equipment.

Control Individual Outlets

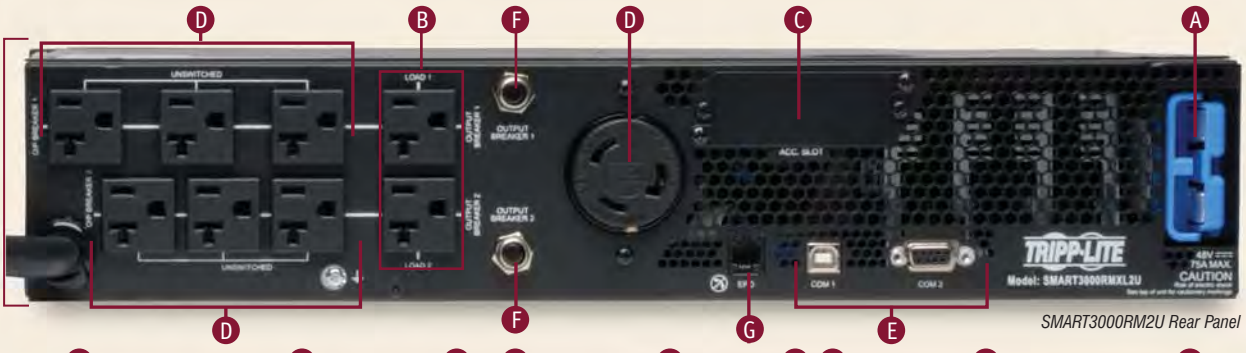
Prioritize the uptime of mission-critical loads during a power failure with switched outlet banks featured on select models. Switched outlet banks can be controlled independently through PowerAlert. Use PowerAlert to reboot a locked-up computer by cycling the power on and off to select outlets on the UPS system. You can also program PowerAlert to shut down less important systems during an extended blackout, preserving battery runtime for critical equipment.

1U



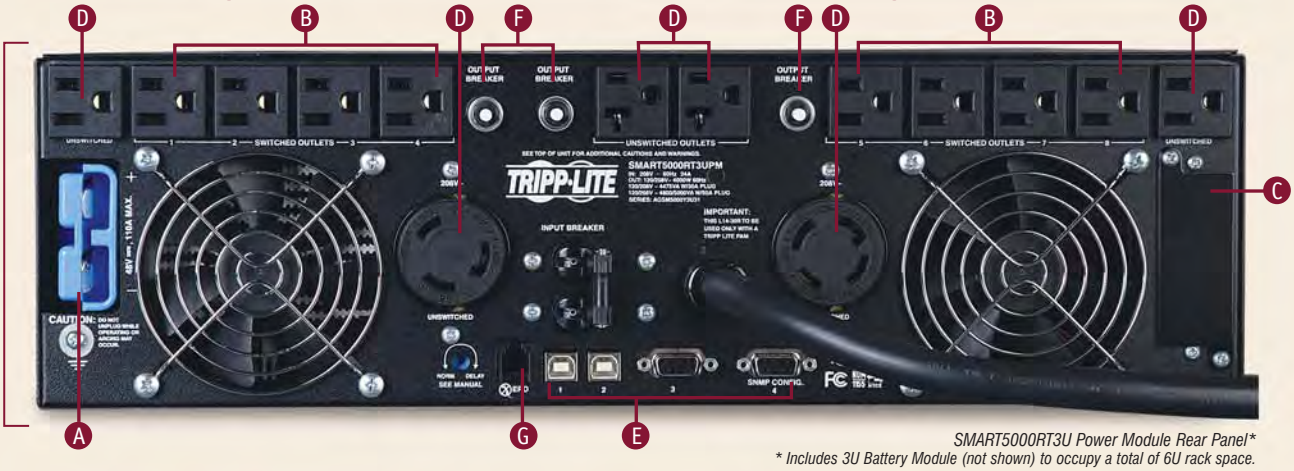
SMART1000RM1U Rear Panel

2U



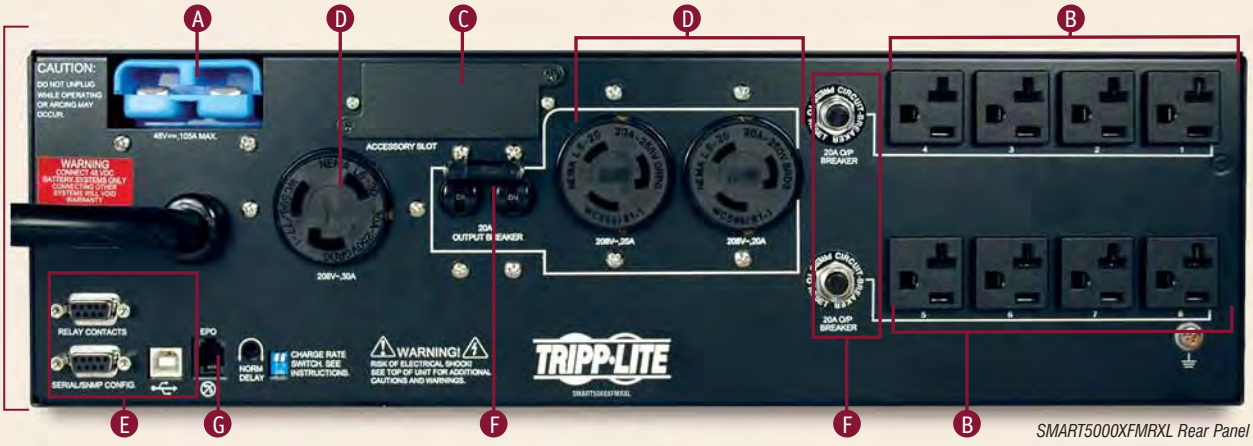
SMART3000RM2U Rear Panel

3U*



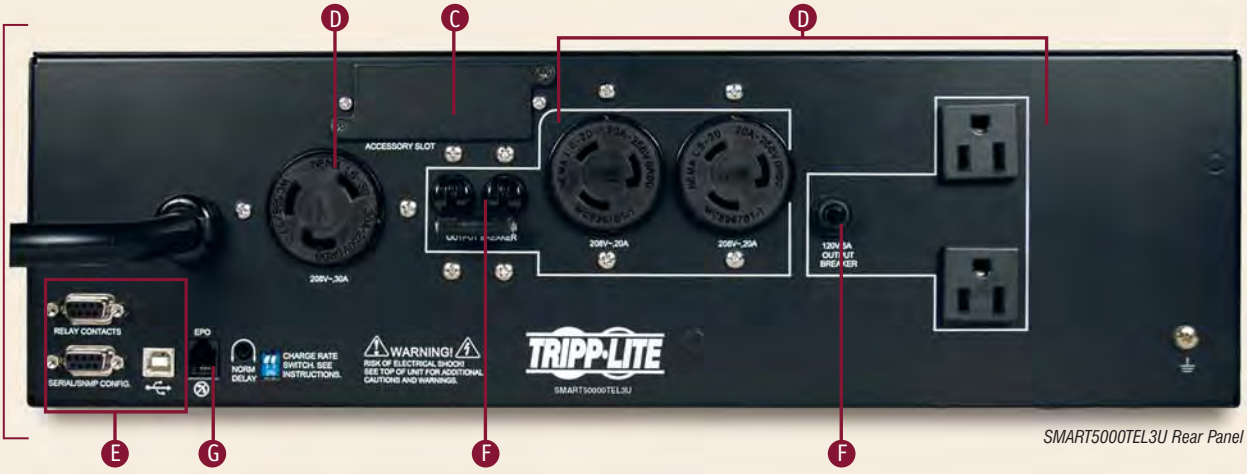
*SMART5000RT3U Power Module Rear Panel**
** Includes 3U Battery Module (not shown) to occupy a total of 6U rack space.*

3U



SMART5000XFMRXL Rear Panel

3U



SMART5000TEL3U Rear Panel

A Extended Runtime Capability

Select models feature connectors that accept optional external battery packs for additional runtime. External batteries can be "hot-swapped". Go to www.tripplite.com/runtime for interactive runtime charts for every UPS model.

B Switched Outlet Banks

Prioritize the uptime of mission-critical loads during a power failure. Select models feature switched outlet banks that you can control independently through PowerAlert software. Use PowerAlert to reboot a locked-up computer or to shut down less important systems during extended blackouts, preserving battery runtime for critical equipment.

C Accessory Card Slot

Accepts optional internal SNMPWEBCARD. SNMPWEBCARD provides network interface for monitoring and control via SNMP, Web or telnet, enabling remote reboots, shutdowns and more. Select models (SNMP) include a preinstalled SNMPWEBCARD.

D Variety of Output Options

15-, 20- and 30-amp outlets on select models ensure maximum connection flexibility.

E Multiple Server Support

Up to four built-in communication ports on select models simultaneously provide shutdown commands and reporting on multiple servers.

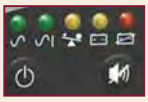
F Short Circuit Protection

Breakers safeguard your equipment and the UPS.

G Emergency Power Off (EPO)

A jack included with all models allows remote emergency shutdown.

Complete Performance Conditions Displayed



Front panel LCD or LEDs alert you to a variety of performance conditions, including AC line present, automatic voltage regulation, UPS load and replace battery.

Bypass Operation (not shown)

SMART3000RMOD2U includes a bypass feature that allows the power module to be hot-swapped without powering down connected equipment.

Front Panel Battery Replacement (not shown)

Most models feature a removable panel which allows for internal battery replacement.* Internal batteries can be "hot-swapped".

** Tripp Lite offers a complete line of replacement battery cartridges (R.B.C.); visit www.tripplite.com.*

Specifications

Model	Output Capacity	Typical Runtime[C] (Half/Full Load)	Extended Runtime	Total Rack Size	Nominal Input/ Output Voltage (Frequency 60Hz)	AC Outlet Quantity (Type)	Switched Outlet Banks	USB Ports	Serial Ports	Input Plug
SmartPro UPS Systems										
SMART500RT1U	500VA/300W	14.6/3.2 min.	—	1U	120V	7 (5-15R)	1x1	1	1	5-15P
SMART750RM1U	750VA/600W	4.8/16.2 min.	—	1U	120V	6 (5-15R)	2x1	1	1	5-15P
LCD SMART750RMXL2U	750VA/600W[A]	20.7/8.5+ min.	A B	2U	120V	6 (5-15R)	2x1	1	1	5-15P
SMART1000RM1U	1000VA/800W	14/4 min.	—	1U	120V	6 (5-15R)	2x1	1	1	5-15P
LCD SMART1000RM2U	1000VA/800W	15/5.3 min.	—	2U	120V	6 (5-15R)	2x1	1	1	5-15P
LCD SMART1000RMXL2U	1000VA/900W	18/6.3+ min.	C D	2U	120V	8 (5-15R)	2x1	1	1	5-15P
LCD SMART1500RM2U	1500VA/1350W	13/4.5 min.	—	2U	120V	8 (5-15R)	2x1	1	1	5-15P
SNMP LCD SMART1500RM2UN	1500VA/1350W	13/4.5 min.	—	2U	120V	8 (5-15R)	2x1	1	1	5-15P
LCD SMART1500RMXL2UA	1500VA/1350W	14/4.9+ min.	C D	2U	120V	8 (5-15R)	2x2	1	1	5-15P
SNMP LCD SMART1500RMXLN	1500VA/1350W	14/4.9+ min.	C D	2U	120V	8 (5-15R)	2x2	1	1	5-15P
LCD SMART2200RM2U	2200VA/1920W	12/4.5 min.	—	2U	120V	4 (5-15R), 4 (5-15/20R)	2x1	1	1	5-20P
SNMP LCD SMART2200RM2UN	2200VA/1920W	12/4.5 min.	—	2U	120V	4 (5-15R), 4 (5-15/20R)	2x1	1	1	5-20P
LCD SMART2200RMXL2U	2200VA/1920W[A]	12/4.5+ min.	E F	2U	120V	4 (5-15R), 4 (5-15/20R)	2x1	1	1	5-20P
LCD SMART2200RMXL2UP	2200VA/1920W	12/4.5+ min.	E F	2U	120V	4 (5-15R), 4 (5-15/20R)	2x1	1	1	5-20P
SNMP LCD SMART2200RMXLN	2200VA/1920W[A]	12/4.5+ min.	E F	2U	120V	4 (5-15R), 4 (5-15/20R)	2x1	1	1	5-20P
SMART2600RM2U	2600VA/2100W[A,B]	11/4+ min.	E F	2U	120V	4 (5-15R), 4 (5-15/20R), 1 (L5-20R)	3x1	1	1	5-20P
LCD SMART3000RM2U	3000VA/2250W[A]	10/3.5+ min.	E F	2U	120V	8 (5-15/20R), 1 (L5-30R)	2x1	1	1	L5-30P
SNMP LCD SMART3000RM2UN	3000VA/2250W[A]	10/3.5+ min.	E F	2U	120V	8 (5-15/20R), 1 (L5-30R)	2x1	1	1	L5-30P
SMART3000RMOD2U	3000VA/2880W[A]	11/4+ min.	G H	2U	110/120/127V (50/60Hz)	6 (5-15R), 1 (L5-30R)	1x2, 1x4	1	1	L5-30P
LCD SMART3000RMXL2U	3000VA/2880W	10/3+ min.	E F	2U	120V	8 (5-15/20R), 1 (L5-30R)	2x1	1	1	L5-30P
SNMP LCD SMART3000RMXLN	3000VA/2880W	10/3+ min.	E F	2U	120V	8 (5-15/20R), 1 (L5-30R)	2x1	1	1	L5-30P
SMART5000RT3U	5000VA/4000W[B]	38/16+ min.	F	6U	208V in; 208V + 120V out	10 (5-15R), 2 (5-15/20R), 1 (L6-30R), 1 (L14-30R)	8x1	2	2	L6-30P
SMART5000XFMRXL	5000VA/3750W[B]	20/8.5+ min.	F	3U	208V in; 208V + 120V out	8 (5-15/20R), 2 (L6-20R), 1 (L6-30R)	8x1	1	2[D]	L6-30P
SMART5000TEL3U	5000VA/3750W[B]	20/8.5 min.	—	3U	208V in; 208V + 120V (600VA) out	2 (5-15R), 2 (L6-20R), 1 (L6-30R)	—	1	2[D]	L6-30P

Model with hot-swappable power module. Model with expandable runtime. LCD Model with LCD. SNMP Model with pre-installed SNMPWEBCARD.

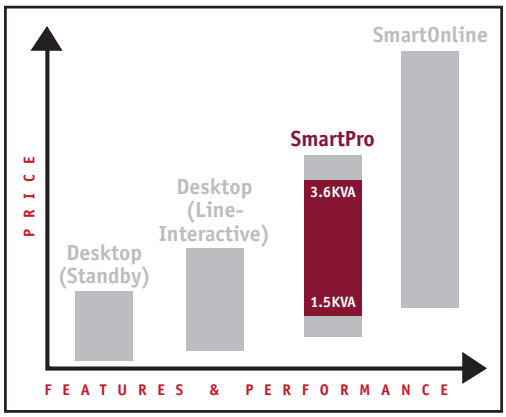
External Battery Packs and Accessories

A	BP24V28-2U	24V external battery pack and cable, 2U. Not expandable. RED/BLACK 2-point connector.
B	BP24V70-3U	24V external battery pack and cable, 3U. Expandable. RED/BLACK 2-point connector.
C	BP36V15-2U	36V external battery pack and cable, 2U. Not expandable. GREY 2-point connector.
D	BP36V42-3U	36V external battery pack and cable, 3U. Expandable. GREY 2-point connector.
E	BP48V24-2U	48V external battery pack and cable, 2U. Not expandable. BLUE 2-point connector.
F	BP48V60RT-3U	48V external battery pack and cable, 3U. Expandable. BLUE 2-point connector.
G	BP72V15-2U	72V external battery pack and cable, 2U. Not expandable. BLACK 3-point connector.
H	BP72V28RT-3U	72V external battery pack and cable, 3U. Expandable. BLACK 3-point connector.
	SNMPWEBCARD	Adds Ethernet (RJ45) network interface to UPS for remote monitoring and control via SNMP, Web, SSH or telnet.
	ENVIROSENSE	Connects to SNMPWEBCARD for remote temperature and humidity monitoring. Also monitors contact-closure devices.
	RELAYIOCARD	Adds programmable contact-closure interface to compatible UPS systems. Includes six outputs and one input.
	2-9USTAND	Adapts UPS modules and battery packs for tower installation. One kit adjusts from 2U to 9U. Two kits adjust from 10U to 14U.
	2POSTRMKITHD	Heavy-duty 2-post rack mounting kit for 2U to 4U UPS modules and battery packs. Order one kit per module or battery pack.

Certifications vary by model. All models include an accessory card slot, 10 ft. input cord and mounting hardware for installation in standard 19 in. 4-post racks. 1U models also support 2-post rack installation. 2U and larger models require optional 2-post mounting hardware for 2-post rack installation. **(A)** Connecting an external battery pack reduces maximum output. See tripplite.com for more information. **(B)** Maximum output requires a user-supplied plug. See tripplite.com for more information. **(C)** Runtime varies with load, battery condition and other factors. "+" Runtimes are expandable using optional external battery packs. **(D)** Includes an RS-232 serial port and a contact-closure port.

Visit **www.tripplite.com/smartpro** for the latest specifications, including weights and dimensions.

SmartPro Shallow-Depth Line-Interactive Rack UPS Systems



- 1,500 - 3,600VA
- Best-In-Class Mounting Depth
- Automatic Voltage Regulation (AVR)
- Optional External Battery Packs for Extended Runtime

Support Network/Telecom Wiring Closets

Shallow mounting depth matches popular network/telecom equipment and allows UPS systems to fit in confined spaces. High load capacity and internal battery capacity allow you to attach more equipment safely without installing additional circuits and UPS systems. Shallow-depth SMART3000CRMXL, SMART2200CRMXL and the matching BP48V48RT4U external battery pack include all hardware required for secure mounting in 2-post network/telecom racks. Combine with Tripp Lite's SR2POST or SR2POST25 2-post racks to create ideal solutions for organizing, protecting and powering important equipment in cramped network/telecom wiring closets.

Extend Runtime

All models accept external battery packs to provide extended runtime. Without enough runtime, businesses stand to lose up to $70,000 per hour according to a survey on the cost of lost productivity for an hour of network downtime.*

* IDC.

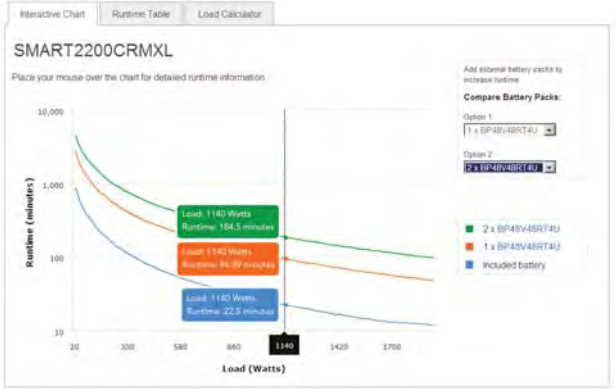
Lower Operating Costs

AC-to-AC efficiency up to 97% reduces power consumption and lowers operating costs. Each two watts saved by increased UPS efficiency saves an additional watt in cooling requirements. Higher efficiency also lowers your facility's environmental impact.

Protect Sensitive Equipment

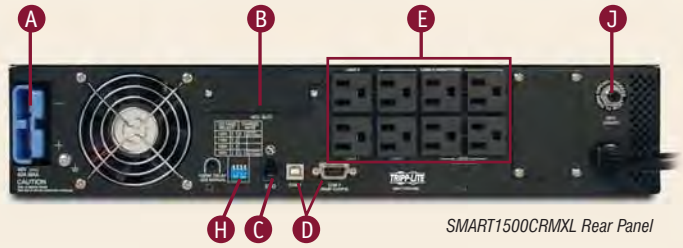
Line-interactive operation—also known as automatic voltage regulation (AVR)—automatically adjusts incoming voltage to safe levels without draining battery power. Reliable battery backup keeps equipment operating through power failures. Pure sine wave output guarantees maximum stability and compatibility with sensitive equipment. All outlets include network-grade surge suppression and noise filtering.

Extended Runtime Charts

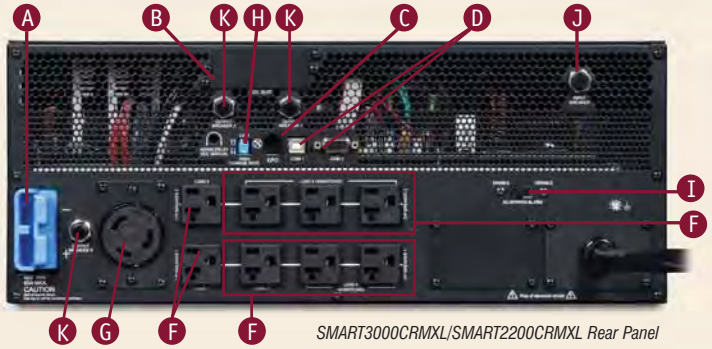


Go to **www.tripplite.com/runtime** for interactive battery backup runtime charts for every UPS model.

Feature Focus



SMART1500CRMXL Rear Panel



SMART3000CRMXL/SMART2200CRMXL Rear Panel

A External Battery Pack Connector

Connects to an external battery pack for extended battery backup runtime. Expandable battery packs can be daisy-chained for additional runtime expansion.

B Accessory Card Slot

Accepts optional internal SNMPWEBCARD or RELAYIOCARD. SNMPWEBCARD provides network interface for monitoring and control via SNMP, Web, SSH or telnet, enabling remote reboots, shutdowns and more. Use with optional ENVIROSENSE to monitor temperature and humidity or to control and monitor alarms and security systems. RELAYIOCARD provides a programmable contact closure interface with 6 outputs and 1 input.

C Emergency Power Off (EPO) Jack

Connects to facility's emergency power off switch for emergency shutdown of the UPS system.

D HID-Compliant USB Port and RS-232 Serial Port (DB9)

Connects to a computer's USB or serial port for automatic shutdown during extended power failures. Use with PowerAlert software* or the built-in power management utilities of Mac OS® X, Linux® and Windows®. PowerAlert CD-ROM and cabling are included.

* Additional PowerAlert features: pages 30 and 31.

E 5-15R Outlets

Select outlets can be switched on or off remotely through PowerAlert software or SNMPWEBCARD, enabling connected equipment reboot or shutdown.

F 5-15/20R Outlets

These 20-amp outlets accommodate 5-15P or 5-20P plugs. Select outlets can be switched on or off remotely through PowerAlert software or SNMPWEBCARD, enabling connected equipment reboot or shutdown.

G L5-30R Outlet (SMART3000CRMXL only)

This 30-amp outlet connects to an L5-30P twist-lock plug.

H Charge Rate Switch

Sets battery charger to higher or lower amperage. Increasing the amperage allows the UPS system to recharge batteries more rapidly when external battery packs are connected.

I AC Bypass Alarm Switch

Enables or disables AC bypass alarm. In case of internal fault or battery depletion, the bypass routes AC power to the outlets.

J Input Breaker

K Output Breakers (SMART3000CRMXL only)

Internal Battery Replacement (not shown)

Recyclable internal batteries last several years under normal conditions. A removable front panel allows hot-swappable internal battery replacement*

Easy-to-Read Control Panel

Front panel LEDs display a variety of power conditions, including AC line status, automatic voltage regulation, overload, on battery, check battery and more. Real-time updates allow you to respond to power problems before your equipment is placed at risk.

** Tripp Lite offers a complete line of replacement battery cartridges (R.B.C.); visit www.tripplite.com.*

Specifications

Model	Output Capacity	Typical Runtime[B] (Half/Full Load)	Nominal Input/ Output Voltage (Frequency 60Hz)	AC Outlet Quantity (Type)	Switched Outlet Banks	Comm. Ports	Plug Type	Primary Mounting Option
SMART1500CRMXL	1500VA/1440W	14/6+ min.	120V	8 (5-15R)	3x1	RS-232, USB, EPO	5-15P	4-Post Rack (2U)
SMART2200CRMXL	2200VA/1900W	28/11+ min.	120V	4 (5-15R), 4 (5-15/20R)	3x1	RS-232, USB, EPO	5-20P	2-Post Rack (4U)
SMART3000CRMXL	3000VA/2880W (3600VA/3600W via optional hardwire)[A]	19/7.5+ min.[C]	120V	8 (5-15/20R), 1 (L5-30R)	3x1	RS-232, USB, EPO	L5-30P (optional hardwire)	2-Post Rack (4U)

External Battery Packs (Compatible with all CRM models.)

BP48V48RT4U	Expandable 4U battery pack optimized for SMART3000CRMXL and SMART2200CRMXL. Includes 2-post mounting hardware.
BP48V24-2U	Non-expandable 2U battery pack optimized for SMART1500CRMXL. Includes 4-post mounting hardware.
BP48V60RT-3U	Expandable 3U battery pack. Includes 4-post mounting hardware.

Accessories

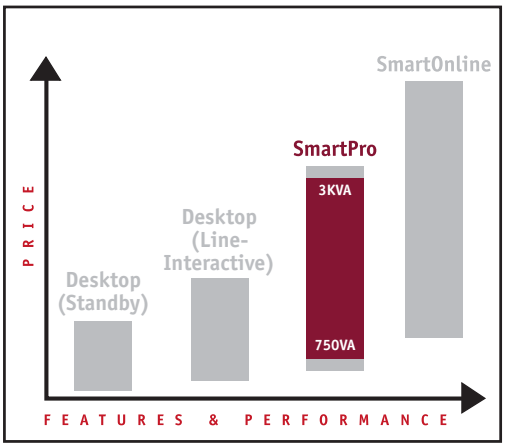
SNMPWEBCARD	Adds Ethernet (RJ45) network interface to UPS for remote monitoring and control via SNMP, Web, SSH or telnet.
ENVIROSENSE	Connects to SNMPWEBCARD for remote temperature and humidity monitoring. Also monitors contact-closure devices.
RELAYIOCARD	Adds programmable contact-closure interface to compatible UPS systems. Includes six outputs and one input.
2-9USTAND	Adapts UPS modules and battery packs for tower installation. One kit adjusts from 2U to 9U. Two kits adjust from 10U to 14U.
2POSTRMKITHD	Heavy-duty 2-post rack mounting kit for 2U to 4U UPS modules and battery packs. Order one kit per module or battery pack.
4POSTRAILKIT	Mounting kit for 4-post rackmount installation. Order one kit per module or battery pack.

Model with expandable runtime.

Certifications vary by model. All models include an accessory card slot and 10 ft. input cord. **(A)** Included cord and plug can be removed to permit hardwire input for 3600VA/3600W output capacity. **(B)** Runtime varies with load, battery condition and other factors. "+" Runtimes are expandable using optional external battery packs. **(C)** Typical runtime is 13/5 min. for optional hardwire input.

Visit **www.tripplite.com/smartpro** for the latest specifications, including weights and dimensions.

SmartPro Line-Interactive Tower UPS Systems



Protect Every Application

SmartPro Tower UPS Systems are available in a wide variety of capacities to protect every size computer application from downtime, damage and data loss due to power problems. SmartPro Tower UPS Systems provide protection against all types of power problems, including brownouts, blackouts, surges and line noise. Line-interactive operation—also known as automatic voltage regulation (AVR)—keeps equipment working through low voltage (brownouts) and high voltage conditions indefinitely, without draining battery power. SmartPro Tower UPS Systems provide reliable battery power to keep computers up and running through short blackouts and allow enough time to save data and shut down during longer ones. In addition, all AC outlets stop damaging surges and filter disruptive line noise.

Control Individual Outlets

Prioritize the uptime of mission-critical loads during a power failure with switched outlet banks featured on select models. Use PowerAlert to reboot a locked-up computer by cycling the power on and off to select outlets on the UPS system. You can also program PowerAlert to shut down less important systems during an extended blackout, preserving battery runtime for critical equipment.

Manage Multiple Servers

Multiple built-in communication ports provide the ability to simultaneously manage multiple servers without the need for accessories. Using PowerAlert software, select models with multiple communication ports will simultaneously provide intelligent communications, shutdown commands and reporting on multiple servers—even if they are running different operating systems.*

** Additional PowerAlert features: pages 30 and 31.*

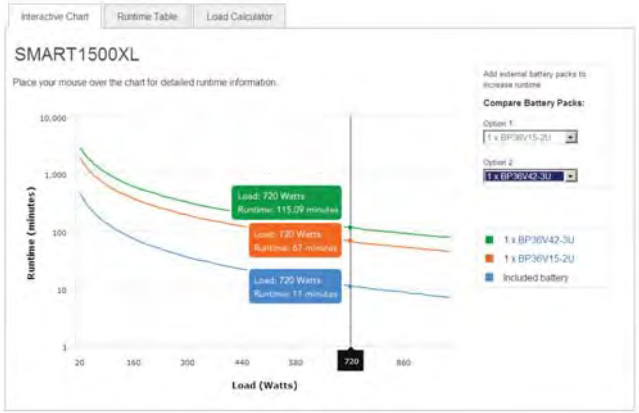
- 750 - 3,000VA
- Internal Batteries and Extended Runtime Options
- Automatic Voltage Regulation (AVR)

Extend Runtime

Select models accept external battery packs to provide extended runtime. Without enough runtime, businesses stand to lose up to $70,000 per hour according to a survey on the cost of lost productivity for an hour of network downtime.*

* IDC.

Extended Runtime Charts



Go to **www.tripplite.com/runtime** for interactive battery backup runtime charts for every UPS model.

Feature Focus

A Extended Runtime Capability

Select models feature connectors that accept optional external battery packs for additional runtime. External batteries can be "hot-swapped". Go to www.tripplite.com/runtime for interactive runtime charts for every UPS model.

B Switched Outlet Banks

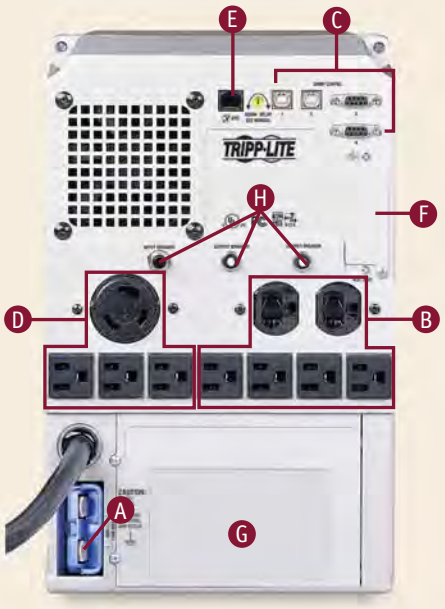
Prioritize the uptime of mission-critical loads during a power failure. Select models feature switched outlet banks that you can control independently through PowerAlert software. Use PowerAlert to shut down less important systems first, preserving battery runtime for critical equipment.

C Multiple Server Control

Up to four built-in communication ports on select models simultaneously provide shutdown commands and reporting on multiple servers without the need for accessories.

D Variety of Output Options

15- 20- and 30-amp outlets ensure maximum connection flexibility.



SMART3000VS Rear Panel

E Emergency Power Off (EPO)

A jack on select models allows remote emergency shutdown.

Tel/DSL/Ethernet Surge Protection (select models, not shown)

Protect Internet-connected or networked computers from damage on a single telephone or Ethernet line.

F Accessory Card Slot

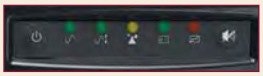
Accepts optional internal SNMPWEBCARD or RELAYIOCARD.
SNMPWEBCARD provides network interface for monitoring and control via SNMP, Web, SSH or telnet, enabling remote reboots, shutdowns and more. Use with optional ENVIROSENSE to monitor temperature and humidity or to control and monitor alarms. RELAYIOCARD provides programmable contact closure interface with 6 outputs and 1 input.

G Battery Replacement

Tripp Lite UPS batteries will protect equipment for several years with normal use. Most models feature a removable panel which allows for internal battery replacement*. Internal batteries can be "hot-swapped".

H Short Circuit Protection

Performance Conditions Displayed



Front panel LEDs alert you to a variety of performance conditions, including AC line present, automatic voltage regulation, UPS load level and replace battery.

** Tripp Lite offers a complete line of replacement battery cartridges (R.B.C.); visit www.tripplite.com.*

Specifications

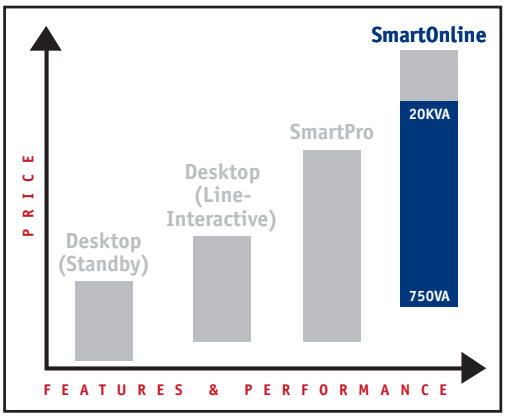
Model	Output Capacity	Typical Runtime(A) (Half/Full Load)	Extended Runtime	Nominal Input/Output Voltage (Frequency 60Hz)	AC Outlet Quantity (Type)	Switched Outlet Banks	USB Ports	Serial Ports	SNMP Slot	Input Plug
SmartPro UPS Systems										
SMART750	750VA/450W	16.2/5.6 min.	—	120V	6 (5-15R)	—	1	—	—	5-15P
SMART700SER	700VA/450W	16.9/5.9 min.	—	120V	6 (5-15R)	—	—	1	—	5-15P
SMART700DV	700VA/450W	54.5/22.2 min.	—	120V or 230V in; 120V out	6 (5-15R)	—	1	1	Y	5-15P (C14)
SMART750XLA	750VA/500W	20.7/10+ min.	A B	100/110/120V	8 (5-15R)	—	1	1	Y	5-15P
SMART750SLT	750VA/500W	17.8/6.5 min.	—	100/110/120V	8 (5-15R)	—	1	1	Y	5-15P
SMART1050	1050VA/705W	23/8 min.	—	120V	6 (5-15R)	—	1	—	—	5-15P
SMART1050SLT	1050VA/650W	19/7 min.	—	100/110/120V	8 (5-15R)	—	1	1	Y	5-15P
SMART1500	1500VA/980W	20/7 min.	—	120V	6 (5-15R)	1x1	1	1	—	5-15P
SMART1500SLT	1500VA/900W	20/8 min.	—	100/110/120V	8 (5-15R)	—	1	1	Y	5-15P
SMART1500XL	1500VA/980W	20/7+ min.	C D	120V	6 (5-15R)	1x1	1	1	—	5-15P
SMART2200VS	2200VA/1600W	19/7 min.	—	120V	7 (5-15R), 2 (5-15/20R)	3x2	2	2	Y	5-20P
SMART2200SLT	2200VA/1600W	13/5 min.	—	120V	6 (5-15/20R), 1 (L5-20R)	—	1	1	Y	5-20P
SMART2200VSXL	2200VA/1600W	19/7+ min.	E F	120V	7 (5-15R), 2 (5-15/20R), 1 (L5-20R)	3x1	2	2	Y	5-20P
SMART2200NET	2200VA/1700W	27/11+ min.	A B	120V	6 (5-15R)	2x1	—	3(B)	—	5-15P
SMART3000VS	3000VA/2250W	14/4+ min.	E F	120V	7 (5-15R), 2 (5-15/20R), 1 (L5-30R)	3x2	2	2	Y	L5-30P
SMART3000NET	3000VA/2400W	23/7+ min.	A B	120V	4 (5-15R), 4 (5-15/20R)	2x1	—	3(B)	—	L5-30P
SMART3000SLT	3000VA/2250W	9/3.5 min.	—	120V	6 (5-15/20R), 1 (L5-30R)	—	1	1	Y	L5-30P
External Battery Packs and Accessories										
A BP24V28-2U	24V external battery pack and cable, 2U. Not expandable. RED/BLACK 2-point connector.									
B BP24V70-3U	24V external battery pack and cable, 3U. Expandable. RED/BLACK 2-point connector.									
C BP36V15-2U	36V external battery pack and cable, 2U. Not expandable. GREY 2-point connector.									
D BP36V42-3U	36V external battery pack and cable, 3U. Expandable. GREY 2-point connector.									
E BP48V24-2U	48V external battery pack and cable, 2U. Not expandable. BLUE 2-point connector.									
F BP48V60RT-3U	48V external battery pack and cable, 3U. Expandable. BLUE 2-point connector.									
SNMPWEBCARD	Adds Ethernet (RJ45) network interface to UPS for remote monitoring and control via SNMP, Web, SSH or telnet.									
ENVIROSENSE	Connects to SNMPWEBCARD for remote temperature and humidity monitoring. Also monitors contact-closure devices.									
RELAYIOCARD	Adds programmable contact-closure interface to compatible UPS systems. Includes six outputs and one input.									

Model with expandable runtime.

Certifications vary by model. **(A)** Runtime varies with load, battery condition and other factors. "+" Runtimes are expandable using optional external battery packs. **(B)** Includes an RS-232 serial port and two contact-closure ports.

Visit **www.tripplite.com/smartpro** for the latest specifications, including weights and dimensions.

SmartOnline True On-Line Rack/Tower UPS Systems



TRUE ON-LINE

- 750VA - 20kVA
- Zero Transfer Time, Double Conversion
- Wide Input Voltage Range with Precision-Regulated Output
- Extended Runtime Options
- Automatic Internal Bypass
- Maintenance Bypass and Detachable PDU Options

Deliver True On-Line, Pure Sine Wave, Zero Transfer Time Operation

SmartOnline Rackmount/Tower UPS Systems provide mission-critical equipment with the highest level of power protection. Double-conversion technology continually converts incoming AC power into filtered DC power, and then resynthesizes it back into AC power with a pure sine wave. Constant on-line operation completely isolates sensitive equipment from every power problem on the AC line. SmartOnline models accept the widest range of incoming voltage and frequency variations, delivering the most consistently pure, highly regulated power: ±3% or ±2% VAC.

SmartOnline Rackmount/Tower UPS Systems provide reliable battery power with zero transfer time to keep networks up and running through short blackouts and allow enough time to save data and shut down during longer ones. In addition, they stop damaging surges and filter disruptive line noise.

Manage Multiple Servers

Using PowerAlert software, select models with multiple communication ports will simultaneously provide intelligent communications, shutdown commands and reporting on multiple servers—even if they are running different operating systems.* Intelligent communications allow you to check UPS status (including battery charge level and runtime remaining) and AC power status as well as reboot switched outlet banks.

** Additional PowerAlert features: pages 30 and 31.*

Control Individual Outlets

Switched outlet banks on select models can be controlled independently through PowerAlert. Use PowerAlert to reboot a locked-up computer by cycling the power on and off to select outlets on the UPS system. You can also program PowerAlert to shut down less important systems during an extended blackout, preserving battery runtime for critical equipment.

Save Electricity & Reduce Costs

SmartOnline UPS Systems are up to 97% efficient in economy mode, a potential increase of 10% or more versus comparable on-line UPS systems. Economy mode can make your data center significantly cooler, greener and more cost-effective.

Provide Maximum Availability with Hot-Swappable Design

Hot-Swap the Power Module . . .

. . . Detachable PDU Continues Powering Equipment

All SmartOnline Rackmount/Tower UPS Systems include an automatic internal bypass that ensures maximum availability of connected equipment by passing through utility power in the event of an internal fault or overload. Hot-swappable models include two additional features that ensure continuous availability: a maintenance bypass switch and a modular design. When the switch is set to "bypass", the power module can be removed for maintenance while the detachable PDU remains installed, continuing to power connected equipment as long as utility power is present. Hot-swappable models are designated by the symbol in the specifications chart. Select hot-swappable models (designated by the N+1 symbol) include dual power modules for built-in N+1 redundancy.

Adapt to Rack / Tower / Stack Applications

Adapt all models from rackmount to tower or stacking applications.

- Removable rack hardware
- Optional tower base stands (2-9USTAND)

Single cabinet tower mount with optional base stands.

Multiple cabinet tower mount with optional base stands.

Display Power Conditions

Front-panel LEDs and/or LCD help you identify power problems and solutions.

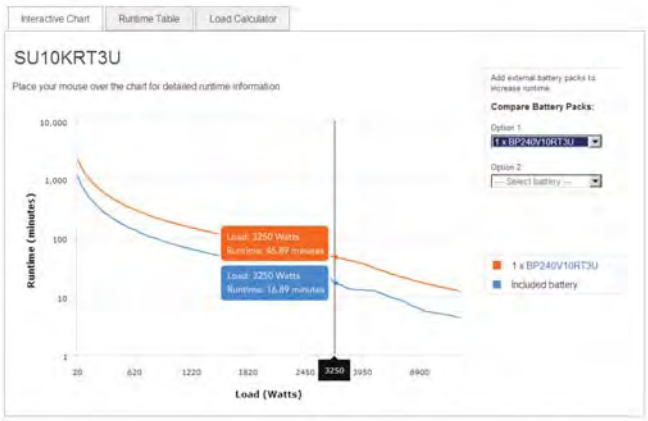
Extend Runtime

All models accept external battery packs to provide extended runtime. Without enough runtime, businesses stand to lose up to $70,000 per hour according to a survey on the cost of lost productivity for an hour of network downtime.*

Extending runtime is as simple as plugging in additional external battery packs.

* IDC.

Extended Runtime Charts



Go to **www.tripplite.com/runtime** for interactive battery backup runtime charts for every UPS model.

A Extended Runtime Capability

All models feature connectors that accept optional external battery packs for additional runtime. External batteries can be "hot-swapped". Go to www.tripplite.com/runtime for interactive runtime charts for every UPS model.

B Detachable Bypass PDU

Passes through power to connected equipment if power module is removed for maintenance.

C Switched Outlet Banks

Select models feature switched outlet banks that you can control independently through PowerAlert software.

D Server Support

Up to two built-in communication ports on select models simultaneously provide shutdown commands and reporting on multiple servers without the need for accessories.

E Bypass Operation

A bypass switch allows the power module to be removed for maintenance, repair or replacement while continuously passing through utility power to connected equipment.

F Accessory Card Slot

Accepts optional internal SNMPWEBCARD or RELAYIOCARD. SNMPWEBCARD provides network interface for monitoring and control via SNMP, Web, SSH or telnet, enabling remote reboots, shutdowns and more. Use with optional ENVIROSENSE to monitor temperature and humidity or to monitor alarms and security systems. RELAYIOCARD provides a programmable contact closure interface with 6 outputs and 1 input.

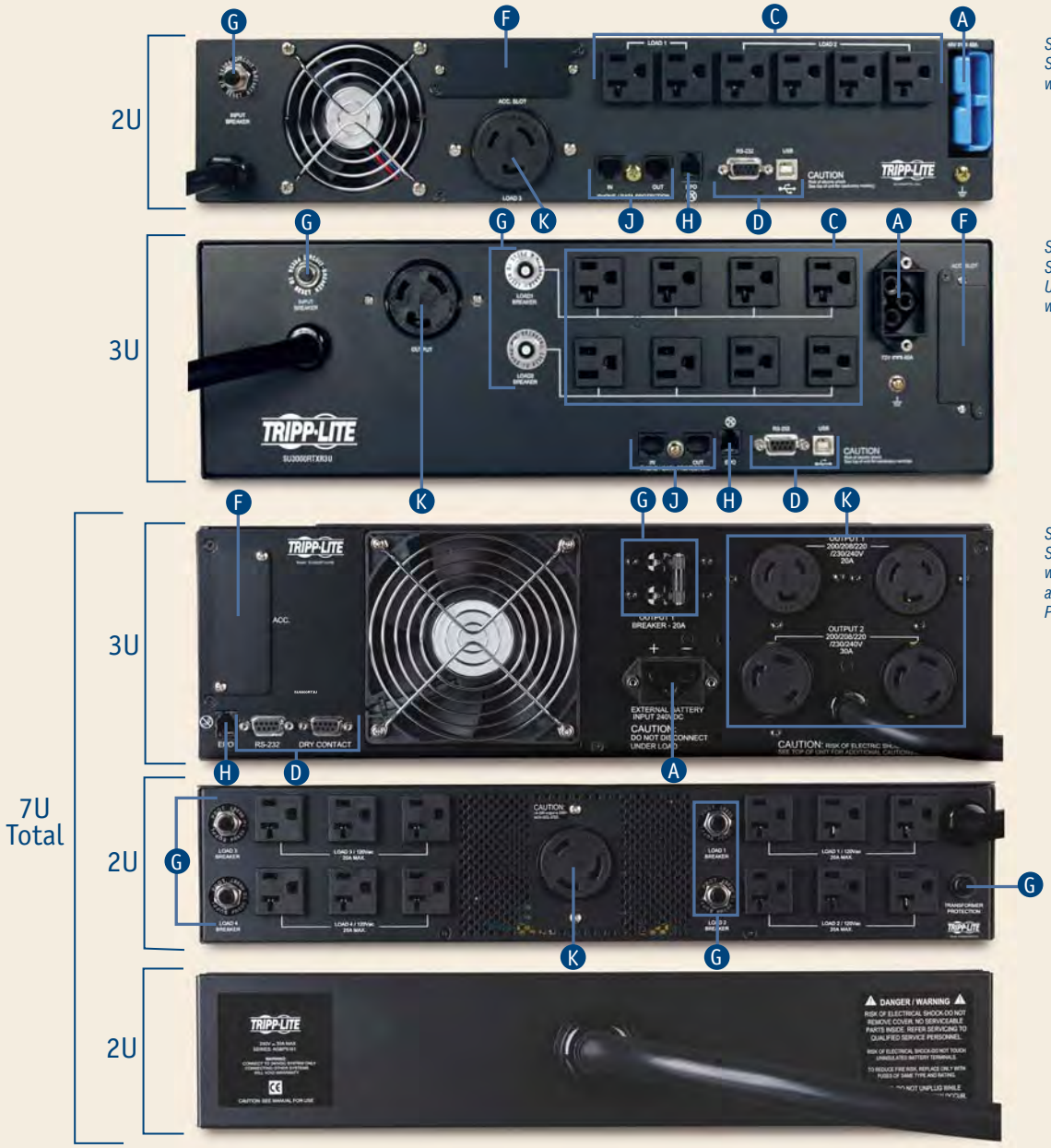
G Short Circuit Protection

Circuit breakers help guard against input/output short circuits and overloads.

H Emergency Power Off

A jack included with select models allows remote emergency shutdown. All other models can perform emergency shutdown by attaching an optional cable (model 730909, sold separately) to the communication port. The optional cable includes a DB9 connector to allow server support and a jack to allow emergency shutdown.

Standard Models Maximum Availability Features: Internal Bypass • Hot-Swappable Batteries



SU2200RTXL2UA UPS System Rear Panel with Internal Batteries.

SU3000RTXL3U/ SU3000RTXR3U UPS System Rear Panel with Internal Batteries.

SU5000RT3U UPS System Rear Panel with Isolation Transformer and External Battery Pack.

I Hardwire, Single-Phase Input (select models)

To convert select models to hardwire input and output, select optional hardwire input/output PDUs. To add an input plug and outlets to SU6000RT3U and SU6000RT3UHV select SUPDM alternate back panel accessories.

J TEL/DSL/Ethernet Surge Protection (select models)

Protect Internet-connected or networked computers from damage on a single telephone or Ethernet line with surge-protected jacks featured on select models.

K Variety of Output Options

15-, 20- and 30-amp outlets on select models ensure maximum connection flexibility.

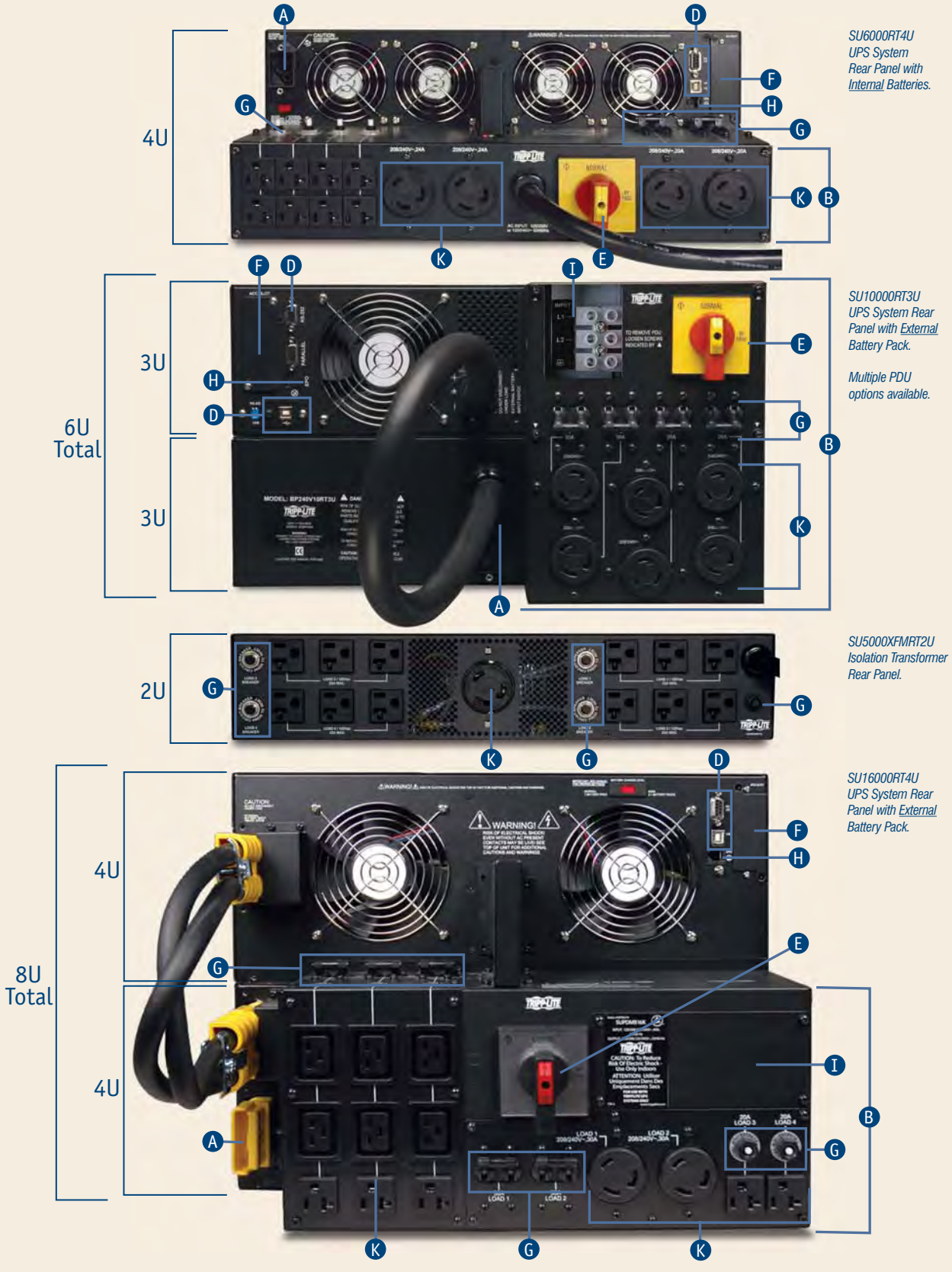
Front Panel Battery Replacement (not shown)

1,000 to 3,000VA models feature a convenient front access door to replace internal batteries.* All models allow "hot-swap" battery replacement.

** Tripp Lite offers a complete line of replacement battery cartridges (R.B.C.); visit www.tripplite.com.*

Hot-Swappable Modular Models Maximum Availability Features:

Internal Bypass • Bypass Switch • Hot-Swappable Power Module • Hot-Swappable Batteries



Specifications

Model	Output Capacity	Typical Runtime[A] (Half/Full Load)	Extended Runtime	Total Rack Size	Input Voltage Range[B]	Nominal Output Voltage	AC Outlet Quantity (Type) [Switched Outlet Banks]	USB Ports	Serial Ports	CC[E] Ports	Input Plug
SmartOnline Single-Phase UPS Systems (3-wire input)											
SU750RTXL2U	750VA/600W	11/4+ min.	A B	2U	65-150V	120V (100/110/120V)	6 (5-15R); [2x1]	1	1[C]	—	5-15P
LCD **SU750RTXLCD2U**	750VA/675W	9/3+ min.	A B	2U	55-150V	120V (100/110/115 120/127V)	6 (5-15R); [2x1]	1	1[C]	—	5-15P
SU1000RTXL2UA	1000VA/800W	14/4.5+ min.	C D	2U	65-150V	120V (100/110/120V)	6 (5-15R); [2x1]	1	1[C]	—	5-15P
LCD **SU1000RTXLCD2U**	1000VA/900W	14/4.8+ min.	A B	2U	55-150V	120V (100/110/115 120/127V)	6 (5-15R); [2x1]	1	1[C]	—	5-15P
SU1500RTXL2UA	1500VA/1200W	14/5+ min.	C D	2U	65-150V	120V (100/110/120V)	6 (5-15R); [1x2, 1x4]	1	1[C]	—	5-15P
LCD **SU1500RTXLCD2U**	1500VA/1350W	14/4.2+ min.	C D	2U	55-150V	120V (100/110/115 120/127V)	6 (5-15R); [2x3]	1	1[C]	—	5-15P
SU2200RTXL2UA	2200VA/1600W	14/4.5+ min.	E F	2U	65-150V	120V (110/120V)	6 (5-15/20R); 1 (L5-20R); [2x3]	1	1[C]	—	5-20P
LCD **SU2200RTXLCD2U**	2200VA/1800W	12/4+ min.	C D	2U	55-150V	120V (100/110/115 120/127V)	6 (5-15/20R); 1 (L5-20R); [2x3]	1	1[C]	—	5-20P
SU3000RTXL2U	3000VA/2500W	15/6+ min.	E F	2U	60-144V	120V (100/110/115 120/127V)	6 (5-15/20R), 1 (L5-30R); [2x3]	1	1[C]	—	L5-30P
SU3000RTXL3U	3000VA/2400W	14/5+ min.	E F	3U	65-150V	120V (110/120V)	4 (5-15R), 4 (5-15/20R), 1 (L5-30R); [2x4]	1	1[C]	—	L5-30P
SU3000RTXL3UHV	3000VA/2400W	14/5+ min.	E F	3U	160-275V	208/240V	6 (6-15/20R), 2 (L6-20R); [1x2, 1x4]	—	1[C]	—	L6-20P
LCD **SU3000RTXLCD3U**	3000VA/2700W	11/4+ min.	E F	3U	55-150V	120V (100/110/115 120/127V)	4 (5-15R), 4 (5-15/20R), 1 (L5-30R); [2x4]	1	1[C]	—	L5-30P
SU3000RTXR3U	3000VA/2400W	30/12+ min.	E F	3U	65-150V	120V (110/120V)	4 (5-15R), 4 (5-15/20R), 1 (L5-30R); [2x4]	1	1[C]	—	L5-30P
SU3000RTXR3UHW	3000VA/2400W	30/12+ min.	E F	3U	65-150V	120V (110/120V)	Hardwire	1	1[C]	—	Hardwire
SU5000RT3U	5kVA/3.5kW	20/8+ min.	I	7U	156-276V	208V + 120V (60Hz)	2 (L6-20R), 2 (L6-30R), 12 (5-15/20R)	—	1	1	L6-30P
LCD **SU5000RT3UHV**	5kVA/3.5kW	20/8+ min.	I	5U	156-276V	208/240V	2 (L6-20R), 2 (L6-30R)	—	1	1	L6-30P
LCD **SU5000RT4UHV**	5kVA/4.5kW	11/3.5+ min.	G	4U	100-300V	208/240V	2 (L6-20R), 2 (L6-30R)	1	1	—	L6-30P
LCD **SU5000RT4UTF**	5kVA/4.5kW	11/3.5+ min.	G	6U	100-300V	208V + 120V (60Hz)	2 (L6-20R), 2 (L6-30R), 12 (5-15/20R)	1	1	—	L6-30P
LCD **SU6000RT3U**	6kVA/4.2kW	20/8+ min.	I	9U	156-276V	208/240V + 120V	Hardwire[D]	—	1	1	Hardwire[D]
LCD **SU6000RT3UHV**	6kVA/4.2kW	20/8+ min.	I	6U	156-276V	208/240V	Hardwire[D]	—	1	1	Hardwire[D]
LCD **SU6000RT3UHVXL**	6kVA/4.2kW	30/12+ min.	I	6U	156-276V	208/240V	Hardwire	—	1	1	Hardwire
LCD **SU6000RT4UHV**	6kVA/5.4kW	8.5/2+ min.	G	4U	100-300V	208/240V	2 (L6-20R), 2 (L6-30R)	1	1	—	L6-30P
LCD **SU6000RT4UHVG**	6kVA/5.4kW	8.5/2+ min.	G	4U	100-300V	208/240V	4 (C19)	1	1	—	Hardwire
LCD **SU6000RT4UHVHW**	6kVA/5.4kW	8.5/2+ min.	G	4U	100-300V	208/240V	Hardwire	1	1	—	Hardwire
LCD **SU6000RT4UTF**	6kVA/5.4kW	8.5/2+ min.	G	6U	100-300V	208/240V + 120V	2 (L6-20R), 2 (L6-30R), 4 (5-15R), 8 (5-15/20R), Hardwire	1	1	—	L6-30P
LCD **SU6000RT4UTFHW**	6kVA/5.4kW	8.5/2+ min.	G	6U	100-300V	208/240V + 120V	2 (L6-20R), 2 (L6-30R), 4 (5-15R), 8 (5-15/20R), Hardwire	1	1	—	Hardwire
LCD **SU8000RT3U**	8kVA/7.2kW	13.5/5.5+ min.	I	6U	100-300V	208/240V	4 (L6-20R), 2 (L6-30R)	1	1	—	Hardwire
LCD **SU8000RT3U1TF**	8kVA/7.2kW	13.5/5.5+ min.	I	8U	100-300V	208V + 120V (60Hz)	4 (L6-20R), 2 (L6-30R), 12 (5-15/20R)	1	1	—	Hardwire
LCD **SU8000RT3UG**	8kVA/7.2kW	13.5/5.5+ min.	I	6U	100-300V	208/240V	6 (C19)	1	1	—	Hardwire
LCD **SU8000RT3UHW**	8kVA/7.2kW	13.5/5.5+ min.	I	6U	100-300V	208/240V	Hardwire	1	1	—	Hardwire
LCD **SU8000RT3UN50**	8kVA/7.2kW	13.5/5.5+ min.	I	6U	100-300V	208/240V	4 (L6-20R), 2 (L6-30R)	1	1	—	CS8265C[F]
LCD **SU8000RT3UN50TF**	8kVA/7.2kW	13.5/5.5+ min.	I	8U	100-300V	208V + 120V (60Hz)	4 (L6-20R), 2 (L6-30R), 12 (5-15/20R)	1	1	—	CS8265C[F]
LCD **SU10KRT3U**	10kVA/9kW	12.5/4.3+ min.	I	9U	100-300V	208/240V + 120V	Hardwire	1	1	—	Hardwire
LCD **SU10KRT3UHV**	10kVA/9kW	12.5/4.3+ min.	I	6U	100-300V	208/240V	Hardwire	1	1	—	Hardwire
LCD **SU10000RT3U**	10kVA/9kW	12.5/4.3+ min.	I	6U	100-300V	208/240V	4 (L6-20R), 2 (L6-30R)	1	1	—	Hardwire
LCD **SU10000RT3U2TF**	10kVA/9kW	12.5/4.3+ min.	I	10U	100-300V	208V + 120V (60Hz)	4 (L6-20R), 2 (L6-30R), 24 (5-15/20R)	1	1	—	Hardwire
LCD **SU10000RT3UG**	10kVA/9kW	12.5/4.3+ min.	I	6U	100-300V	208/240V	6 (C19)	1	1	—	Hardwire

Model with hot-swappable power module(s). LCD Model with LCD. Model with expandable runtime.

Specifications

Model	Output Capacity	Typical Runtime (Half/Full Load)	Extended Runtime	Total Rack Size	Input Voltage Range[B]	Nominal Output Voltage	AC Outlet Quantity (Type)	USB Ports	Serial Ports	CC[E] Ports	Input Plug
SmartOnline Single-Phase UPS Systems (3-wire input) with Dual Power Modules and Built-in N+1 Redundancy (N+1 if load is 50% or less)											
SU12KRT4UHW	12kVA/10.8kW	8.5/2+ min.	I	8U	100-300V	208/240V	Hardwire	2	2	—	Hardwire
SU16KRT	16kVA/14.4kW	13.5/5.5+ min.	I	12U	100-300V	208/240V	2 (L6-30R), 8 (C19)	2	2	—	Hardwire
SU16KRT-1TF	16kVA/14.4kW	13.5/5.5+ min.	I	14U	100-300V	208/240V + 120V	2 (L6-30R) , 8 (C19), 8 (5-15/20R), 4 (5-15R)	2	2	—	Hardwire
SU16KRT8	16kVA/14.4kW	13.5/5.5+ min.	I	12U	100-300V	208/240V	8 (L6-20R), 2 (L6-30R)	2	2	—	Hardwire
SU16KRTG	16kVA/14.4kW	13.5/5.5+ min.	I	12U	100-300V	208/240V	8 (C19)	2	2	—	Hardwire
SU16KRTHW	16kVA/14.4kW	13.5/5.5+ min.	I	12U	100-300V	208/240V	Hardwire	2	2	—	Hardwire
SU20KRT	20kVA/18kW	12.5/4.3+ min.	I	12U	100-300V	208/240V	2 (L6-30R), 8 (C19)	2	2	—	Hardwire
SU20KRT-1TF	20kVA/18kW	12.5/4.3+ min.	I	14U	100-300V	208/240V + 120V	2 (L6-30R) , 8 (C19), 8 (5-15/20R), 4 (5-15R)	2	2	—	Hardwire
SU20KRT8	20kVA/18kW	12.5/4.3+ min.	I	12U	100-300V	208/240V	8 (L6-20R), 2 (L6-30R)	2	2	—	Hardwire
SU20KRTG	20kVA/18kW	12.5/4.3+ min.	I	12U	100-300V	208/240V	8 (C19)	2	2	—	Hardwire
SU20KRTHW	20kVA/18kW	12.5/4.3+ min.	I	12U	100-300V	208/240V	Hardwire	2	2	—	Hardwire
SmartOnline Split-Phase UPS Systems (4-wire input)											
SU5000RT4U	5kVA/3.8kW	14/6+ min.	G	4U	65-140V (L-N)	208/240V + 120V	8 (5-15/20R), 2 (L6-20R), 2 (L6-30R)	1	1[C]	—	L14-30P
SU6000RT4U	6kVA/4.2kW	20/8+ min.	G	4U	65-140V (L-N)	208/240V + 120V	8 (5-15/20R), 2 (L6-20R), 2 (L6-30R)	1	1[C]	—	L14-30P
SU8000RT4U	8kVA/5.6kW	12/5+ min.	G	4U	65-140V (L-N)	208/240V + 120V	4 (5-15/20R), 2 (L6-20R), 2 (L6-30R), Hardwire	1	1[C]	—	Hardwire
SU12000RT4U	12kVA/8.4kW	20/7+ min.	H	8U	65-140V (L-N)	208/240V + 120V	5 (5-15/20R), 2 (L6-30R), 6 (C19), Hardwire	1	1[C]	—	Hardwire
SU12000RT4UHW	12kVA/8.4kW	20/7+ min.	H	8U	65-140V (L-N)	208/240V + 120V	Hardwire	1	1[C]	—	Hardwire
SU16000RT4U	16kVA/11.2kW	12/5+ min.	H	8U	65-140V (L-N)	208/240V + 120V	5 (5-15/20R), 2 (L6-30R), 6 (C19), Hardwire	1	1[C]	—	Hardwire
SU16000RT4UHW	16kVA/11.2kW	12/5+ min.	H	8U	65-140V (L-N)	208/240V + 120V	Hardwire	1	1[C]	—	Hardwire

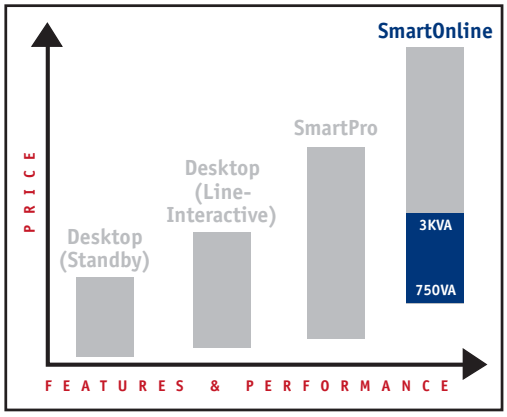
N+1 Model with built-in N+1 redundancy. Model with hot-swappable power module(s). LCD Model with LCD. Model with expandable runtime.

Model	Description
External Battery Packs and Accessories	
A **BP24V28-2U**	24V external battery pack and cable, 2U. Not expandable. RED/BLACK 2-point connector.
B **BP24V70-3U**	24V external battery pack and cable, 3U. Expandable. RED/BLACK 2-point connector.
C **BP48V24-2U**	48V external battery pack and cable, 2U. Not expandable. BLUE 2-point connector.
D **BP48V60RT-3U**	48V external battery pack and cable, 3U. Expandable. BLUE 2-point connector.
E **BP72V15-2U**	72V external battery pack and cable, 2U. Not expandable. BLACK 3-point connector.
F **BP72V28RT-3U**	72V external battery pack and cable, 3U. Expandable. BLACK 3-point connector.
G **BP192V12-3U**	192V external battery pack and cable, 3U. Expandable. BLACK 3-point connector.
H **BP192V18-4U**	192V external battery pack and cable, 4U. Expandable. YELLOW INSULATED 2-point connector.
I **BP240V10RT3U**	240V external battery pack and cable, 3U. Expandable. BLACK 3-point connector.
SU5000XFMRT2U	5kVA transformer. 208V input. 208V+120V output. L6-30P input. 12 (5-15/20R)+1 (L6-30R) outlets.
SU6000XFMR2U	6kVA transformer. 208/240V input. 208/240V+120V output. L6-30P or hardwire input. 4 (5-15R)+8 (5-15/20R)+1 (L6-30R) outlets + hardwire.
2-9USTAND	Adapts UPS modules and battery packs for tower installation. One kit adjusts from 2U to 9U. Two kits adjust from 10U to 14U.
2POSTRMKITHD	Heavy-duty 2-post rack mounting kit for 2U to 4U UPS modules and battery packs. Order one kit per module or battery pack.
SNMPWEBCARD	Adds Ethernet (RJ45) network interface to UPS for remote monitoring and control via SNMP, Web, SSH or telnet.
ENVIROSENSE	Connects to SNMPWEBCARD for remote temperature and humidity monitoring. Also monitors contact-closure devices.
MODBUSCARD	Adds interface for MODBUS RTU industrial communications protocol, RS-422/485 and RS-232 to compatible UPS systems.
RELAYIOCARD	Adds programmable contact-closure interface to compatible UPS systems. Includes six outputs and one input.
RELAYIOMINI	Adds contact-closure port (DB9) to compatible single-phase 8-20kVA UPS systems. Replaces USB port.
SUPDMB568HW	Detachable PDU for SU5000RT4U, SU6000RT4U and SU8000RT4U. Hardwire input and output. Includes bypass switch.

Certifications vary by model. All models include an accessory card slot and mounting hardware for installation in standard 19 in. 4-post racks. 1U models also support 2-post rack installation. 2U and larger models require optional 2-post mounting hardware for 2-post rack installation. **(A)** Runtime varies with load, battery condition and other factors. Runtimes are expandable using optional external battery packs. **(B)** Frequency is 50/60Hz for single-phase models and 60Hz for split-phase models unless noted. Input voltage range varies withload. Maximum range shown. **(C)** Includes a combination RS-232 serial and contact-closure port. **(D)** Optional kits convert hardwire input/output to corded input and outlets. **(E)** Contact-closure ports **(F)** 50A Hubbell® CS8265C. Also supports hardwire input.

Visit **www.tripplite.com/smartonline** for the latest specifications, including weights and dimensions.

SmartOnline True On-Line Tower UPS Systems



Deliver True On-Line, Pure Sine Wave, Zero Transfer Time Operation

SmartOnline Tower UPS Systems provide mission-critical equipment with the highest level of power protection. Double-conversion technology continually converts incoming AC power into filtered DC power, and then resynthesizes it back into AC power with a pure sine wave. Constant on-line operation completely isolates sensitive equipment from every power problem on the AC line. SmartOnline models accept the widest range of incoming voltage and frequency variations, delivering the most consistently pure, highly-regulated power: ±3% or ±2% VAC and ±0.05 Hz.

SmartOnline Tower UPS Systems provide reliable battery power with zero transfer time to keep networks up and running through short blackouts and allow enough time to save data and shut down during longer ones. In addition, they stop damaging surges and filter disruptive line noise. All models ensure maximum availability with an automatic internal bypass which passes through utility power in the event of an internal fault or overload.

Manage Multiple Servers

Using PowerAlert software, simultaneously manage multiple servers—even if they are running different operating systems.* Intelligent communications allow you to check UPS status (including battery charge level and runtime remaining) and AC power status. You can use PowerAlert to reboot a locked-up server by cycling the power to select UPS outlets or shut down nonessential systems during a blackout, preserving runtime for critical equipment.

* Additional PowerAlert features: pages 30 and 31.

Save Electricity & Reduce Costs

SmartOnline UPS Systems are up to 97% efficient in economy mode, a potential increase of 10% or more versus comparable on-line UPS systems. Economy mode can make your data center significantly cooler, greener and more cost-effective.

TRUE ON-LINE

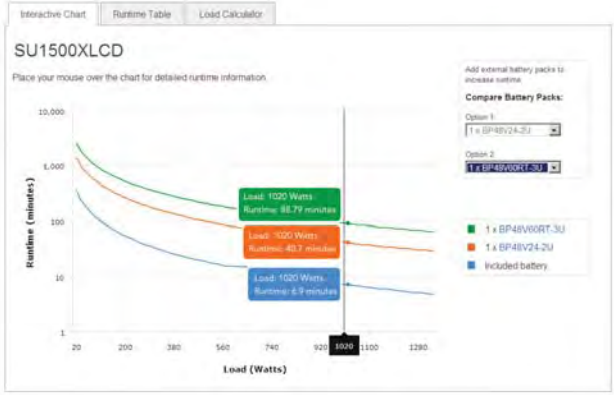
- 750 - 3,000VA
- Zero Transfer Time, Double Conversion
- Wide Input Voltage Range with Precision-Regulated Output
- Automatic Internal Bypass
- Internal Batteries and Extended Runtime Options

Extend Runtime

All models accept external battery packs to provide extended runtime. Without enough runtime, businesses stand to lose up to $70,000 per hour according to a survey on the cost of lost productivity for an hour of network downtime.*

* IDC.

Extended Runtime Charts



Go to **www.tripplite.com/runtime** for interactive battery backup runtime charts for every UPS model.

A Extended Runtime Capability

All models feature connectors that accept optional external battery packs for additional runtime.

B Switched Outlet Banks

Prioritize the uptime of mission-critical loads during a power failure. All models feature switched outlet banks that you can control independently through PowerAlert software. Use PowerAlert to reboot a locked-up computer or to shut down less important systems, preserving battery runtime for critical equipment.

C Accessory Card Slot

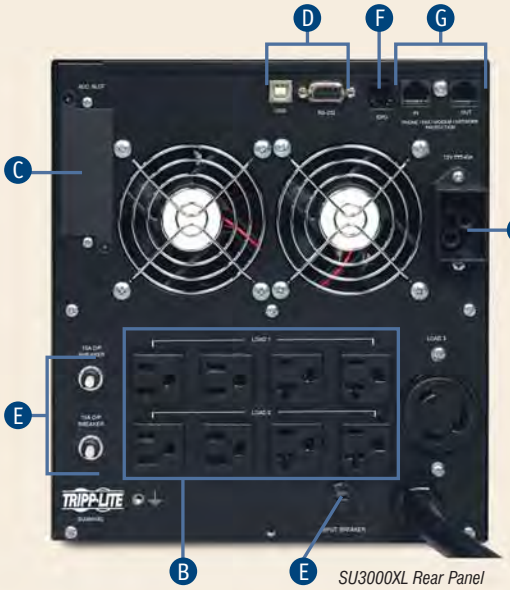
Accepts optional internal SNMPWEBCARD or RELAYIOCARD.

D Multiple Server Support

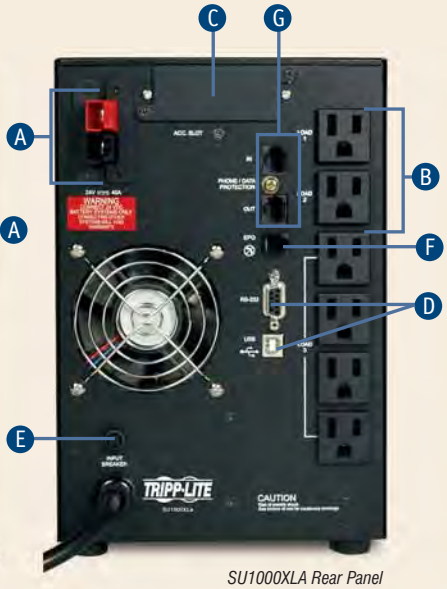
Built-in communication ports provide shutdown commands and reporting on multiple servers.

E Short Circuit Protection

Circuit breakers help guard against input short circuits and system overloads.



SU3000XL Rear Panel



SU1000XLA Rear Panel

F Emergency Power Off

All models include a jack that allows remote emergency shutdown.

G Tel/Network Surge Protection

Protect Internet-connected or networked computers from damage on a single telephone or Ethernet line.

Display Critical Operational Conditions

SmartOnline Tower UPS Systems feature a front panel LCD or LED display which displays a variety of UPS operational modes and conditions. This interface provides more information than comparable models, allowing you to react more rapidly to an alert before your systems are put at risk.

Specifications

Model	Output Capacity	Typical Runtime[A] (Half/Full Load)	Extended Runtime	AC Outlet Quantity (Type)	Input Voltage Range[B]	Nominal Output Voltage	Switched Outlet Banks	USB Ports	Serial Ports	Input Plug
SmartOnline UPS Systems										
SU750XL	750VA/600W	11/4+ min.	A B	6 (5-15R)	65-150V	120V (100/110/120V)	2x1	1	1[C]	5-15P
SU1000XLA	1000VA/800W	14/4.5+ min.	A B	6 (5-15R)	65-150V	120V (100/110/120V)	2x1	1	1[C]	5-15P
LCD SU1000XLCD	1000VA/900W	12.8/3.8+ min.	A B	6 (5-15R)	55-150V	120V (100/110/120V)	2x1	1	1	5-15P
SU1500XL	1500VA/1200W	14/4.5+ min.	C D	6 (5-15R)	65-150V	120V (100/110/120V)	2x3	1	1[C]	5-15P
LCD SU1500XLCD	1500VA/1350W	14/4.5+ min.	C D	6 (5-15R)	55-150V	120V (100/110/120/127V)	2x3	1	1	5-15P
SU2200XLA	2200VA/1600W	14/4.5+ min.	C D	6 (5-15/20R), 1 (L5-20R)	65-150V	120V (110/120V)	2x3	1	1[C]	5-20P
LCD SU2200XLCD	2200VA/1800W	13/4.5+ min.	C D	6 (5-15/20R), 1 (L5-20R)	55-150V	120V (100/110/120/127V)	2x3	1	1	5-20P
SU3000XL	3000VA/2400W	14/5+ min.	E F	4 (5-15R), 4 (5-15/20R), 1 (L5-30R)	65-150V	120V (110/120V)	2x4	1	1[C]	L5-30P
LCD SU3000XLCD	3000VA/2700W	13.2/4.1+ min.	E F	8 (5-15/20R), 1 (L5-30R)	55-150V	120V (100/110/120/127V)	2x4	1	1	L5-30P
External Battery Packs and Accessories										
A BP24V70-3U	24V external battery pack and cable. Tower or 2U rack. Expandable. Small RED/BLACK connector.									
B BP24V28-2U	24V external battery pack and cable. Tower or 2U rack. Not expandable. Small RED/BLACK connector.									
C BP48V60RT-3U	48V external battery pack and cable. Tower or 3U rack. Expandable. BLUE 2-point connector.									
D BP48V24-2U	48V external battery pack and cable. Tower or 2U rack. Not expandable. BLUE 2-point connector.									
E BP72V28RT-3U	72V external battery pack and cable. Tower or 3U rack. Expandable. BLACK 3-point connector.									
F BP72V15-2U	72V external battery pack and cable. Tower or 2U rack. Not expandable. BLACK 3-point connector.									
SNMPWEBCARD	Adds Ethernet (RJ45) network interface to UPS for remote monitoring and control via SNMP, Web, SSH or telnet.									
ENVIROSENSE	Connects to SNMPWEBCARD for remote temperature and humidity monitoring. Also monitors contact-closure devices.									
RELAYIOCARD	Adds programmable contact-closure interface to compatible UPS systems. Includes six outputs and one input.									

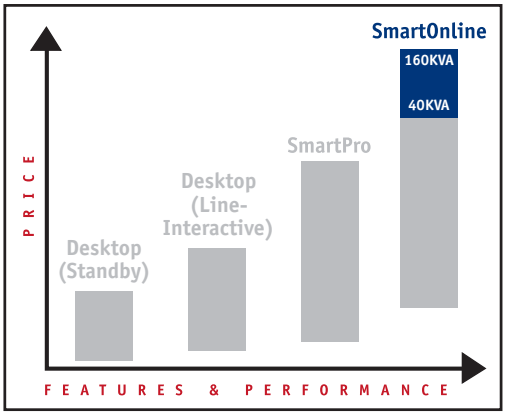
LCD Model with LCD. Model with expandable runtime.

Certifications vary by model. All models include an accessory card slot, 10 ft. power cord, EPO jack and Tel/Network line surge protection. **(A)** Runtime varies with load, battery condition and other factors. Runtimes are expandable using optional external battery packs. **(B)** Frequency is 50/60Hz. Input voltage range varies with load. Maximum range shown. **(C)** Includes a combination RS-232 serial and contact-closure port.

Visit **www.tripplite.com/smartonline** for the latest specifications, including weights and dimensions.

SmartOnline Modular 3-Phase

True On-Line Tower UPS Systems



TRUE ON-LINE

- 40 - 80kVA (Up to 160kVA in Parallel)
- 3-Phase Hardwire (120/208V or 277/480V)
- N+1 Modular Architecture
- 1+1 Parallel Capability with Patented Dual DSP Control
- Low THDi for 1:1 Generator Sizing
- Zero Transfer Time, Double Conversion
- Advanced IGBT Rectifier and Inverter Technology with Power Factor Correction (PFC)
- Real-Time Log of 500 Events

Deliver True On-Line, Pure Sine Wave, Zero Transfer Time Operation

SmartOnline Modular 3-Phase UPS Systems provide mission-critical equipment with the highest level of power protection. Double-conversion technology continually converts incoming AC power into filtered DC power, and then resynthesizes it back into AC power with a pure sine wave. Constant on-line operation completely isolates sensitive equipment from every power problem on the AC line. SmartOnline Modular 3-Phase UPS Systems automatically correct the widest range of incoming voltages of any models in their class. A wider voltage correction range saves battery power and decreases battery wear by up to 40%, reducing battery replacement costs. SmartOnline Modular 3-Phase models provide reliable battery power with zero transfer time to keep networks up and running safely through short blackouts and allow enough time to safely shut down or switch to generator backup during longer ones. In addition, all models stop damaging surges and filter disruptive line noise.

SmartOnline Modular 3-Phase UPS Systems are ideal for protecting critical equipment in computing, networking or telecommunications environments.

Save Installation Costs (1:1 Generator Sizing)

SmartOnline Modular 3-Phase UPS Systems include a generator-friendly design that lowers installation costs. The SmartOnline UPS System's high input power factor and Digital Signal Processor (DSP) technology create less than 4% input Total Harmonic Distortion (THDi), enabling a 1:1 sizing of the UPS System to a generator set. Generators are affected by the THDi that a UPS system passes back through its input into the overall power system. If the THDi is high, managers are forced to oversize generators in order to compensate. With the SmartOnline UPS System's low THDi, generators run cooler and last longer, allowing managers to save installation costs by installing a generator with a capacity equal to their equipment load (a 1:1 ratio). In addition, low THDi eliminates the need to oversize cables and breakers and eliminates nuisance breaker tripping and overheated transformers.

Save Operating Costs

SmartOnline Modular 3-Phase UPS Systems include advanced IGBT inverter technology that provides the highest efficiency (up to 96% in economy mode) of any UPS system in their class. High efficiency operation lowers UPS system operating and related cooling costs and lengthens UPS system service life. Since inverter components are smaller, SmartOnline models also save significant facility floor space compared to legacy systems.

Include Additional Availability Features

A manual bypass breaker as well as an automatic bypass function included on SmartOnline Modular 3-Phase UPS Systems ensure the constant availability of connected equipment by safely passing through AC power if the UPS system requires maintenance. In addition, a battery cold-start function (initiated through the control panel) allows you to restart your UPS system and connected equipment during an extended blackout for periodic system access or retrieval of vital data.

Provide Optional Extended Service / Support Programs

Start-Up and On-Site Service Programs are recommended and available separately to enhance the reliability of the installation. Preventative maintenance services are also available for added peace of mind.

Provide Maximum System Availability

with N+1 Modular Architecture & 1+1 Parallel Capability

N+1 Modular Architecture

Maximum Availability with N+1 Redundancy

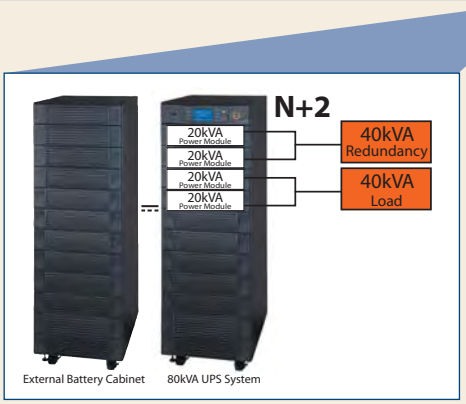
- Multiple, Redundant Power Modules
- Dual, Redundant Controller Power Supplies

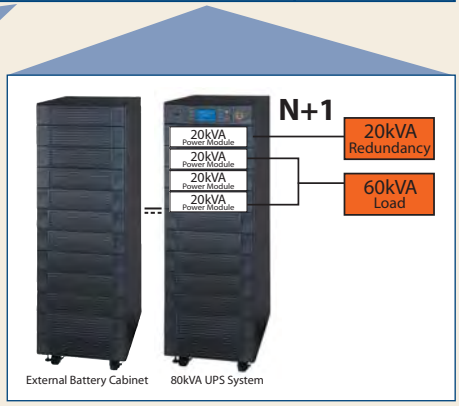
All SmartOnline Modular 3-Phase UPS Systems include multiple, self-contained power modules that provide fail-safe redundancy. In an N+1 configuration, a power module can be hot-swapped (with the load powered) if maintenance is required.

20kVA Redundant Power Module

Modular Architecture Provides N+1 (and Greater) Redundancy

	Equipment Load ("N")			
UPS System Model	**20kVA**	**40kVA**	**60kVA**	**80kVA**
SU40K	N+1	N		
SU60K & SU60KTV	N+2	N+1	N	
SU80K & SU80KTV	N+3	N+2	N+1	N

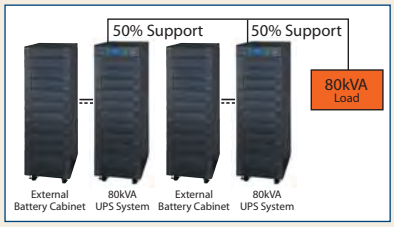




1+1 Parallel Capability

Provides Redundancy

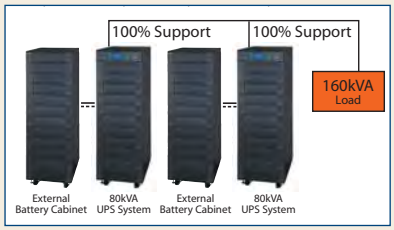
Connect two SmartOnline UPS Systems in parallel (1+1) to provide redundancy for the power distribution system. If one UPS is removed or taken offline for maintenance, the second UPS supports the equipment load automatically—without requiring additional programming. SmartOnline UPS Systems are parallel-ready and use a non-proprietary, wall-mounted parallel distribution panel. Patented dual DSP technology provides state-of-the-art parallel control.



Increases Capacity

Connect two SmartOnline Modular 3-Phase UPS Systems in parallel to double the capacity offered to a single equipment load.

Note: UPS systems connected in parallel must have the same capacity and voltage. Parallel connection also requires a wall-mounted parallel tie cabinet.



UPS System Power Module Cabinet

The UPS System's power module cabinet delivers true on-line, pure sine wave power to connected equipment.

SU80K/SU80KTV Rear Panel

Extended Runtime Capability (rear panel access, not shown)

40kVA models include internal batteries. 60kVA and 80kVA models require a stand-alone, hardwired external battery cabinet (available separately from Tripp Lite) to provide battery backup support. All models accept connection of additional external battery cabinets for extended runtime. Contact Tripp Lite for a runtime solution customized for your application.

Advanced Communications Capabilities

A RS-232 Interface

Provides shutdown commands and reporting on a single server.

B Accessory Card Slot

Accepts optional internal SNMPWEBCARD. SNMPWEBCARD provides network interface for monitoring and control via SNMP, Web, SSH or telnet, enabling remote reboots, shutdowns and more. Use with optional ENVIROSENSE to monitor temperature and humidity or to control and monitor alarms and security systems.

C 1+1 Parallel Interface

Allows two UPS systems to support a single equipment load.

D Dry-Contact Interface (including "EPO" emergency power off function)

Allows remote emergency shutdown of the UPS system. Also allows the UPS system to monitor a variety of input/output conditions, including external battery module conditions.

Hardwire, 3-Phase (4-wire, wye) Output (rear panel access, not shown)

Connects the power module directly to your equipment or a PDU (power distribution unit).

Hardwire, 3-Phase (4-wire, wye) Input (rear panel access, not shown)

Connects the power module directly to the 3-Phase utility power source.

E Cooling Fans

Keep UPS system at optimal operating temperature, prolonging service life.

F Removable Mounting Brackets, Rolling Casters & Levelers

Provide added mobility and stability during installation.

Removable Mounting Brackets

G Multiple, Redundant Hot-Swappable 20kVA Power Modules

All SmartOnline Modular 3-Phase UPS Systems include multiple, self-contained power modules that provide the ultimate level of fail-safe redundancy. In an N+1 configuration, a power module can be hot-swapped (with the load powered) if maintenance is required.

20kVA Redundant Power Module

H Bypass Operation

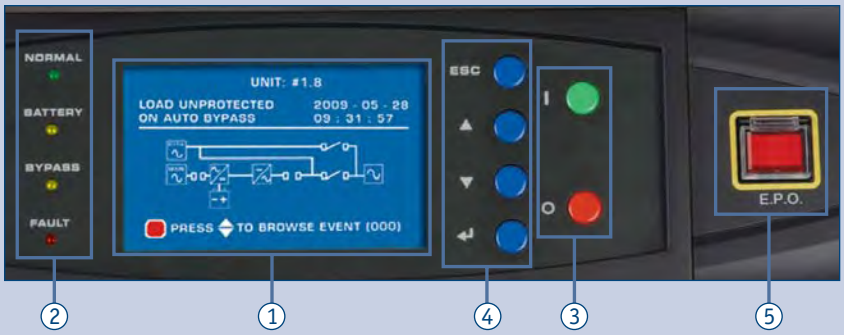
A manual bypass breaker as well as an automatic static bypass ensure maximum availability of connected equipment by safely passing through AC power if the UPS system requires maintenance.

I Short Circuit Protection

Breakers safeguard your equipment, the UPS system and your electrical infrastructure against potential damage due to input or output short circuits and system overloads.

Display & Control Panel

This interface indicates a variety of UPS operational modes and conditions, allowing you to react more rapidly to an alert before your systems are put at risk.



① **LCD Screen:** lets you access more precise information than provided by LEDs alone. Text and intuitive operational block diagrams communicate a variety of fault/warning and UPS system operational conditions.

Real-Time Event Log Screen (Up to 500 Events Listed)
Event log helps you decisively react to changing conditions by providing a broader context of UPS operation.

Dynamic Battery Management Screen
Use the LCD display and control buttons to select optional settings for charge current and battery equalization—lengthening battery service life. Also use the control panel to "cold start" the UPS system.

② **LED Set:** indicates normal on-line operation, on-battery operation, bypass operation or an input fault condition.

③ **Inverter On/Off Buttons**

④ **LCD Screen Control Buttons**

⑤ **"EPO" (Emergency Power Off) Button:** onsite safety measure (covered to protect against accidental contact) completely shuts down the UPS.

Specifications

Model	Output Capacity	Typical Runtime Half/Full Load[A]	Included Internal Battery Strings (Quantity)	External Battery Cabinets (Required for 60kVA & 80kVA Models)	Input/Output Voltage (Hardwire, 50/60Hz Auto-Selecting)	Input Voltage Range (Frequency 60Hz)	Communication Ports "Smart" RS-232 (DB9)	Communication Ports Parallel Interface (DB9)	Communication Ports Dry Contact Interface	SNMP/Web Accessory Slot
SmartOnline Modular 3-Phase UPS System Power Modules										
SU40K	40kVA/32kW	13/5.5+ min.	4	A B C D E F	120/208VAC 3ø, 4-wire (plus ground), wye	94-150/ 163-260VAC	1	1	1	1
SU60K	60kVA/48kW	Contact Tripp Lite for Customized Runtime Solutions	—	A B C D E F	120/208VAC 3ø, 4-wire (plus ground), wye	94-150/ 163-260VAC	1	1	1	1
SU60KTV	60kVA/48kW	Contact Tripp Lite for Customized Runtime Solutions	—	A B C D E F	277/480VAC 3ø, 4-wire (plus ground), wye	218-348/ 378-603VAC	1	1	1	1
SU80K	80kVA/64kW	Contact Tripp Lite for Customized Runtime Solutions	—	A B C D E F	120/208VAC 3ø, 4-wire (plus ground), wye	94-150/ 163-260VAC	1	1	1	1
SU80KTV	80kVA/64kW	Contact Tripp Lite for Customized Runtime Solutions	—	A B C D E F	277/480VAC 3ø, 4-wire (plus ground), wye	218-348/ 378-603VAC	1	1	1	1

External Battery Cabinets, Internal Battery String and Accessories

A	BP480V26B	+/- 240VDC hardwired external battery cabinet. Multiple cabinets can be daisy-chained. Matches UPS cabinet.
B	BP480V40C	+/- 240VDC hardwired external battery cabinet. Multiple cabinets can be daisy-chained. Matches UPS cabinet.
C	BP480V55	+/- 240VDC hardwired external battery cabinet. Multiple cabinets can be daisy-chained. 10-year design life.
D	BP480V78	+/- 240VDC hardwired external battery cabinet. Multiple cabinets can be daisy-chained. 10-year design life.
E	BP480V103	+/- 240VDC hardwired external battery cabinet. Multiple cabinets can be daisy-chained. 10-year design life.
F	BP480V140	+/- 240VDC hardwired external battery cabinet. Multiple cabinets can be daisy-chained. 10-year design life.
	SURBC2030	240VDC replacement internal battery string for SU40K only.
	SU40KMBPK	External maintenance bypass panel for SU40K only. Wall-mount. Kirk Key interlock system prevents sequence of operation errors.
	SU60KMBPK	External maintenance bypass panel for SU60K only. Wall-mount. Kirk Key interlock system prevents sequence of operation errors.
	SU80KMBPK	External maintenance bypass panel for SU80K only. Wall-mount. Kirk Key interlock system prevents sequence of operation errors.
	SU60KMBPKX	External maintenance bypass panel for SU60KTV only. Wall-mount. Kirk Key interlock system prevents sequence of operation errors.
	SU80KMBPKX	External maintenance bypass panel for SU80KTV only. Wall-mount. Kirk Key interlock system prevents sequence of operation errors.
	SUPC2MBP40K	Parallel tie cabinet for 1+1 parallel connection of SU40K models only. Wall-mount.
	SUPC2MBP60K	Parallel tie cabinet for 1+1 parallel connection of SU60K models only. Wall-mount.
	SUPC2MBP80K	Parallel tie cabinet for 1+1 parallel connection of SU80K models only. Wall-mount.
	SUPC2MBP60KX	Parallel tie cabinet for 1+1 parallel connection of SU60KTV models only. Wall-mount.
	SUPC2MBP80KX	Parallel tie cabinet for 1+1 parallel connection of SU80KTV models only. Wall-mount.
	SNMPWEBCARD	Adds Ethernet (RJ45) network interface to UPS for remote monitoring and control via SNMP, Web, SSH or telnet.
	ENVIROSENSE	Connects to SNMPWEBCARD for remote temperature and humidity monitoring. Also monitors contact-closure devices.

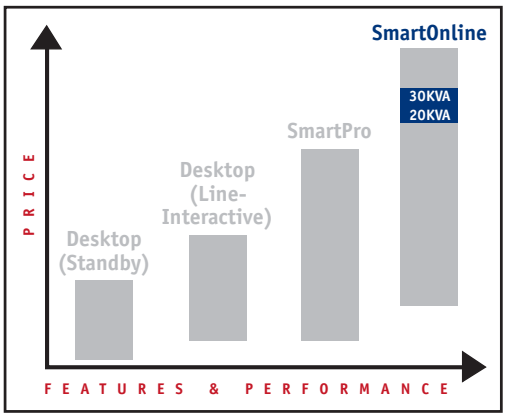
LCD Model with LCD. Model with hot-swappable power module(s). Model with expandable runtime.

(A) Runtime varies with load, battery condition and other factors. 40kVA models include internal batteries. 60kVA and 80kVA models do not include internal batteries and require external battery cabinets, sold separately. Runtimes for all models are expandable using additional external battery cabinets.

Visit **www.tripplite.com/3phase** for the latest specifications, including weights and dimensions.

SmartOnline 3-Phase

True On-Line Tower UPS Systems



TRUE ON-LINE

- 20 - 30kVA
- Small-Footprint Cabinet
- Front-Panel Battery Access
- Zero Transfer Time, Double Conversion
- IGBT Inverter Technology
- 3-Phase Hardwire Input and Output (120/208V)
- Internal Batteries and Extended Runtime Options

Deliver True On-Line, Pure Sine Wave, Zero Transfer Time Operation

SmartOnline 3-Phase UPS Systems provide mission-critical 3-phase equipment with the highest level of power protection. Double-conversion technology continually converts incoming AC power into filtered DC power, and then resynthesizes it back into AC power with a pure sine wave. Constant on-line operation completely isolates sensitive equipment from every power problem on the AC line. SmartOnline models include a wide incoming voltage tolerance, automatically correcting a wide range of incoming voltages* to save battery power for when it's needed during a blackout. SmartOnline 3-Phase UPS Systems provide reliable battery power with zero transfer time to keep networks up and running safely through short blackouts and allow enough time to safely shut down during longer ones. In addition, they stop damaging surges and filter disruptive line noise.

SmartOnline 3-Phase UPS Systems are ideal for protecting critical equipment in computing, networking or telecommunications environments.

* Voltage Correction Range: 96-144V/166-250V.

Deliver Superior Reliability

SmartOnline 3-Phase UPS Systems provide some of the lowest THD (total harmonic distortion) output available, allowing your connected equipment to continuously perform at its peak. In addition, SmartOnline 3-Phase models provide a 3:1 crest factor to safely support a variety of equipment, even equipment with wildly fluctuating power demands.

Provide Maximum Availability

A manual bypass switch and automatic bypass function ensure the constant availability of connected equipment by safely passing through AC power even if the UPS system requires maintenance. In addition, a battery cold-start switch allows you to restart your UPS system and connected equipment during an extended blackout for periodic system access or retrieval of vital data.

Save Space

SmartOnline 3-Phase UPS Systems feature the smallest footprints in their class. While many competitive solutions require two bulky modules that must be installed side by side, SmartOnline 3-Phase UPS Systems combine power and battery components into a single, small-footprint module. SmartOnline models save valuable facility floor space in every environment.

Simplify Runtime Scalability

In addition to a space-optimized design, SmartOnline UPS Systems include convenient front-panel battery access that simplifies runtime scalability. A robust internal battery capability can be easily extended by installing additional optional internal batteries through the front panel access door.

Room for additional internal battery strings is built into each SmartOnline 3-Phase UPS System—so runtime can be significantly extended without changing the UPS system's space-saving footprint. SU20K3/3 models provide room for two additional internal battery strings. SU30K3/3 models provide room for one additional internal battery string, and SU20K3/3XR5 and SU30K3/3XR5 models provide room for three additional battery strings.

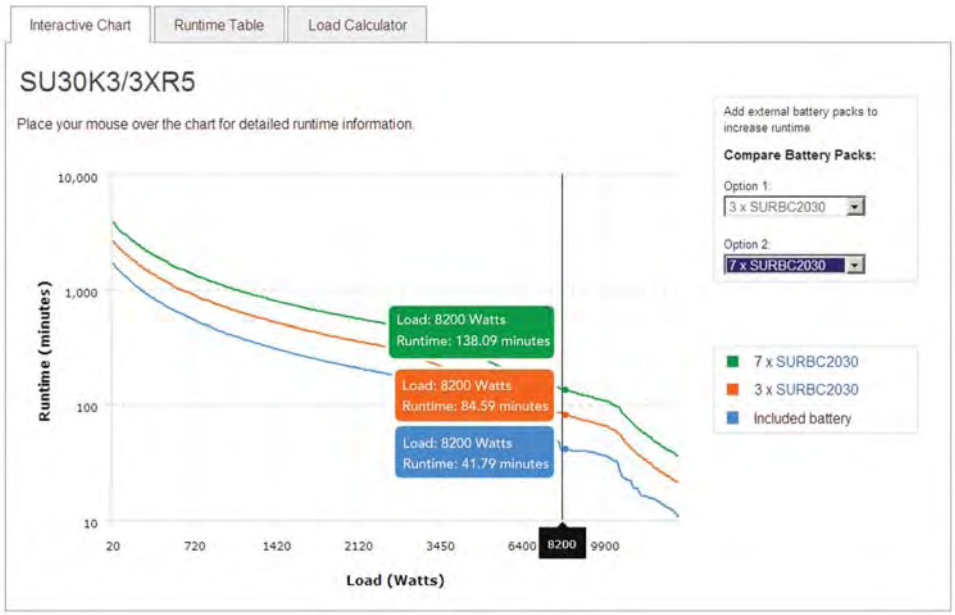
Provide Greater Product Availability

Since SmartOnline 3-Phase UPS Systems are fully stocked, they feature the lowest lead time (between ordering and installation) in the industry. On average, SmartOnline 3-Phase UPS Systems ship within several days compared to the industry average of 3 to 4 weeks.

Extend Runtime

All models feature a robust internal battery capability. Additional internal batteries can be added to provide extended runtime. If more runtime is required, an optional stand-alone battery compartment can be added and configured with additional batteries. Without enough runtime, businesses stand to lose up to $70,000 per hour according to a survey on the cost of lost productivity for an hour of network downtime.* * IDC.

Extended Runtime Charts



Go to **www.tripplite.com/runtime** for interactive battery backup runtime charts for every UPS model.

Lower Your Cost of Ownership

Lower your cost of ownership with the superior efficiency of SmartOnline 3-Phase UPS Systems. Extremely efficient operation saves money by lowering electricity consumption. As an extra measure of efficiency, SmartOnline 3-Phase models feature a high power density (packing more capacity into a smaller footprint cabinet) which saves valuable facility space.

Provide Optional Extended Service / Support Programs

Start-up and on-site service programs are recommended and available separately to enhance the reliability of the installation. Preventative maintenance services are also available for added peace of mind.

Include Enhanced Communication Capability

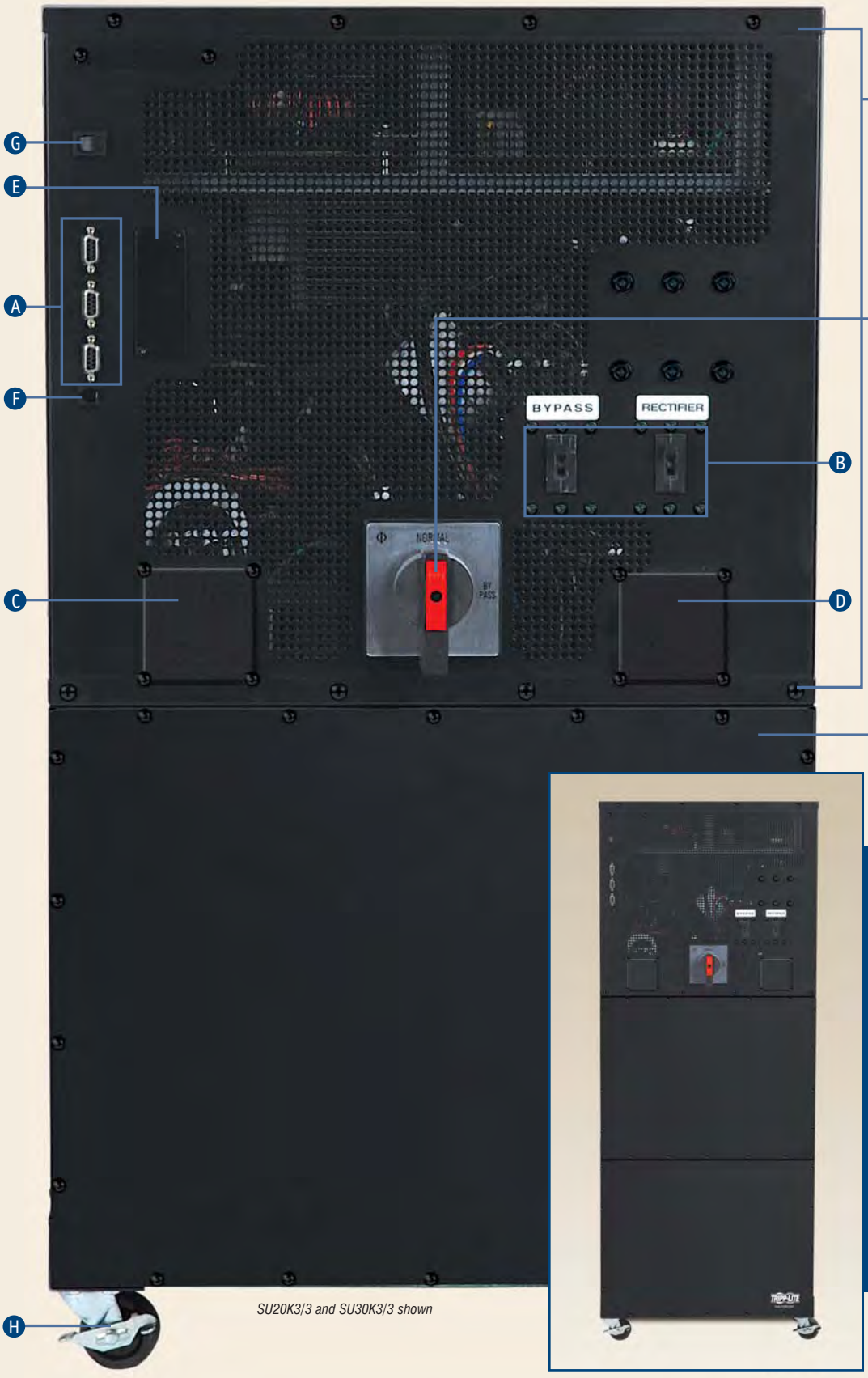
SmartOnline 3-Phase UPS Systems include three communications ports, an SNMP slot and a remote EPO jack. PowerAlert software provides power management, monitoring and control locally or remotely through TCP/IP. Intelligent communications allow you to check UPS status (including battery charge level) and AC power status.* * Additional PowerAlert features: pages 30 and 31.

3-Phase Accessories Ease Deployment

Non-proprietary accessories are available to integrate SmartOnline 3-Phase UPS Systems into your existing infrastructure, including external maintenance bypass panels (with Kirk Key interlock), external battery cabinets and more.

UPS System Rear Panel (Power & Battery Components in One Module)

The UPS System's power components (located within the top half of the unit) deliver true on-line, pure sine wave power to connected equipment. The power components work with internal batteries (located within the bottom half of the unit) to supply connected equipment with battery backup during a blackout. The internal battery compartment includes vacant slots to accept additional battery strings for extended runtime.



I Bypass Operation:

A manual bypass switch as well as an automatic bypass function ensure maximum availability of connected equipment by safely passing through AC power when the UPS system requires maintenance.

SU20K3/3 and SU30K3/3 shown

Increase Runtime in the Same Small Footprint

SU20K3/3XR5 and SU30K3/3XR5 models integrate an additional internal battery compartment into the UPS design without altering its small footprint. Within the two compartments, both models include 5 internal battery strings (for increased runtime) and room for 3 additional internal battery strings (for runtime scalability).

Extended Runtime Capability (front panel, not shown)

All models feature a robust internal battery capability. Additional internal batteries can be added to provide extended runtime. If more runtime is required, an optional, stand-alone battery compartment can be added and configured with additional batteries. Go to www.tripplite.com/runtime for interactive runtime charts for every UPS model.

A Multiple Server Support

Multiple built-in communication ports simultaneously provide shutdown commands and reporting on multiple servers without the need for accessories.

B Short Circuit Protection

Multi-pole breakers safeguard your equipment, the UPS system and your electrical infrastructure against potential damage due to input or output short circuits and system overloads.

C Hardwire, 3-Phase (4-wire, wye) Output

Connects the power module directly to your equipment or a PDU (power distribution unit).

D Hardwire, 3-Phase (4-wire, wye) Input

Connects the power module directly to the 3-phase utility power source.

E Accessory Card Slot

Accepts optional internal SNMPWEBCARD or RELAYIOCARD. SNMPWEBCARD provides a network interface for monitoring and control via SNMP, Web, SSH or telnet, enabling remote reboots, shutdowns and more. Use with optional ENVIROSENSE to monitor temperature and humidity. RELAYIOCARD provides a programmable contact closure interface.

F Emergency Power Off (EPO)

EPO jack allows remote emergency shutdown.

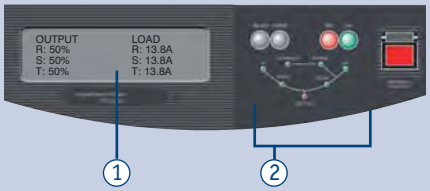
G Battery Cold Start

Restart your UPS during a prolonged blackout to utilize its batteries for periodic system access or data retrieval.

H Rolling Casters

Provide added mobility during installation.

Front Panel Display



A front panel combination LCD/LED display indicates a variety of UPS operational modes and conditions. This interface provides more information than comparable models, allowing you to react more rapidly to an alert before your systems are put at risk.

1 **LCD Screen:** lets you access more precise information than provided by LEDs alone. View over 45 separate fault/warning and UPS system operational conditions, including operational mode, alarm/shutdown conditions, input/output voltage/frequency, battery voltage, load percentage and more.

2 **LED Set:** is organized into a flow chart that indicates UPS system operational status, including normal on-line operation, bypass operation (due to fault or overload) or on-battery operation (due to a blackout or severe brownout).

Specifications

Model	Output Capacity	Typical Runtime Half/Full Load(A)	Included Internal Battery Strings (Quantity)	Optional Internal Battery Strings	Additional Capacity for Optional Internal Battery Strings (Quantity)	Input/Output Voltage (Hardwired)	Input Voltage Range (Frequency 60Hz)	Communication Ports "Smart" RS-232 (DB9)	Communication Ports Contact Closure (DB9)	Communication Ports AS-400 (DB9)	Accessory Card Slot
SmartOnline 3-Phase UPS Systems											
LCD SU20K3/3	20kVA/16kW	13/5+ min.	2	A	2	120/208VAC 3ø, 4-wire (plus ground), wye	96-144/ 166-250VAC	1	1	1	Yes
LCD SU20K3/3XR5	20kVA/16kW	42/17+ min.	5	A	3	120/208VAC 3ø, 4-wire (plus ground), wye	96-144/ 166-250VAC	1	1	1	Yes
LCD SU30K3/3	30kVA/24kW	13/5+ min.	3	A	1	120/208VAC 3ø, 4-wire (plus ground), wye	96-144/ 166-250VAC	1	1	1	Yes
LCD SU30K3/3XR5	30kVA/24kW	25/11+ min.	5	A	3	120/208VAC 3ø, 4-wire (plus ground), wye	96-144/ 166-250VAC	1	1	1	Yes

Internal Battery Pack and Accessories

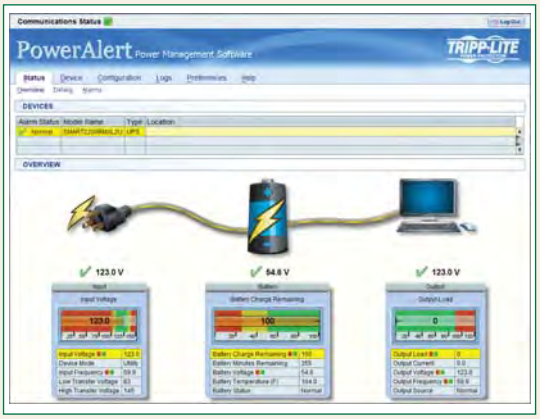
A SURBC2030	240V internal battery string (for all models).
SUBF2030	Additional, stand-alone battery cabinet (for all models). Requires SURBC2030 battery strings. Capacity: 4 strings.
SU20KMBPK	External maintenance bypass panel (for 20kVA models only). Wall-mount. Three 70A breakers. Kirk Key interlock system prevents sequence of operation errors.
SU30KMBPK	External maintenance bypass panel (for 30kVA models only). Wall-mount. Three 100A breakers. Kirk Key interlock system prevents sequence of operation errors.
SNMPWEBCARD	Adds Ethernet (RJ45) network interface to UPS for remote monitoring and control via SNMP, Web, SSH or telnet.
ENVIROSENSE	Connects to SNMPWEBCARD for remote temperature and humidity monitoring. Also monitors contact-closure devices.
RELAYIOCARD	Adds programmable contact-closure interface to compatible UPS systems. Includes six outputs and one input.

LCD Model with LCD. Model with hot-swap capability. Model with expandable runtime.

(A) Runtime varies with load, battery condition and other factors. Runtimes for all models are expandable using additional internal battery strings and/or external battery cabinets.

Visit **www.tripplite.com/3phase** for the latest specifications, including weights and dimensions.

PowerAlert Software



- Monitors and Controls Hundreds of UPS Systems, PDUs or Cooling Systems, plus ENVIROSENSE® Modules
- Software-Only Solution Requires No Additional Hardware or Licenses
- Available FREE—Included CD or Download

PowerAlert software monitors and controls power for hundreds of UPS systems, PDUs or cooling systems and the equipment they support. Since PowerAlert is a FREE, software-only solution, it saves network managers significant costs compared to competitive solutions that require additional hardware or license purchases.* Using JAVA® and SNMP standards, PowerAlert simplifies power management for every network—from a single, server to a global enterprise. PowerAlert allows managers to centrally monitor every UPS, PDU and cooling system on their network. In addition, PowerAlert allows users to set parameters for graceful, automatic file saves and system shut down in the event of an extended blackout.

* FREE PowerAlert CD included with select models. FREE download available at www.tripplite.com/pa.

Reduces Deployment Time

- **Mass Configuration of Devices**
  PowerAlert saves time and money by allowing managers to mass configure multiple remote device settings from a single location.
- **Device Auto-Discovery**
  Managers can set PowerAlert to auto-discover devices in specific network segments or IP address ranges.

Reduces Troubleshooting Time

- **Alarm Log**
  PowerAlert speeds up alarm resolution by pooling all network alarms into a single, sortable easy-to-read list. Alarm entries feature intuitive color coding, including white (normal), yellow (warning) and red (critical).
- **"Recommended Action" Messaging**
  PowerAlert takes the guesswork out of how to respond to alarms. When managers select a device from the Network Management Screen, the device's real-time power status is displayed along with the alarm's "cause" and recommended "response."

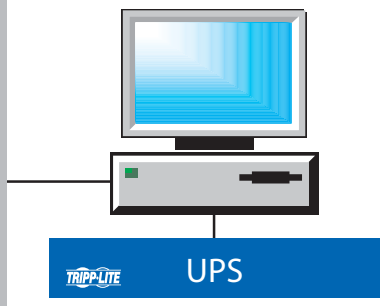
Simplifies Network Power Management

- **SNMP Control**
  Any UPS connected to PowerAlert via a USB or serial cable can now be monitored via SNMP—without an internal SNMPWEBCARD and its additional IP address. PowerAlert's built-in SNMP agent can make even a basic desktop UPS a monitored device on your network, visible to PowerAlert NMS or any third-party NMS.
- **Alarm Notification**
  PowerAlert keeps managers continuously apprised of conditions through emails and SNMP traps, enabling them to proactively manage problems before they affect productivity.
- **Individual Outlet Control**
  PowerAlert allows managers to reboot locked devices or preserve runtime for critical equipment by remotely controlling the outlet power of UPS and power distribution units that offer outlet control capability. Select UPS and PDU devices can also be configured to perform custom, sequential startup and shutdown sequences.
- **Redundant UPS System Management**
  PowerAlert is smart enough to manage multiple UPS systems connected to a single load. For example, when two UPS systems are connected to support two power supplies on a server, PowerAlert is typically configured to gracefully shut down the server only after battery power is exhausted on both UPS systems.
- **Network Shutdown Commands**
  When a UPS communicates with PowerAlert software or via internal SNMPWEBCARD, other computers on the network may also be dependent on the condition of the UPS. Any networked computers with PowerAlert Network Shutdown Agent can detect an outage and automatically shut down before UPS battery power is exhausted. PowerAlert can also execute custom scripts upon any alarm condition.
- **Convenient Web-Browser Access**
  When the internal SNMPWEBCARD is used, network managers can access its management interface from any networked computer via a secure, password-protected browser session (HTTP or HTTPS).

PowerAlert's Power-Management Architecture

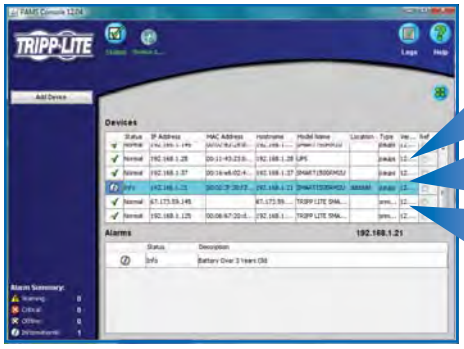
Ethernet

Centralized Power Management



Network Manager's Computer Supported by Single UPS System

Economy Mode Control
Manage the energy-saving economy mode settings of SmartOnline UPS Systems in real time, or define a schedule to switch between economy mode and full-time double conversion automatically.

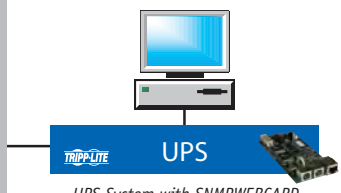


PowerAlert Network Management Screen
PowerAlert allows managers to monitor and control hundreds of devices from a single interface. Click on any device listing to open up to four device power status screens at a time.

Real-Time Power Status Screens

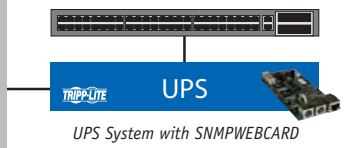
NMS Management
Managers can choose to access PowerAlert through a third-party network management system (NMS).

SNMP Power Management



UPS System with SNMPWEBCARD

Switched or Monitored PDU

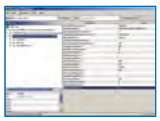


UPS System with SNMPWEBCARD

Internal SNMP/Web Card
Using Tripp Lite's internal SNMP/Web management cards (Model # SNMPWEBCARD) or built-in network interface, managers can make UPS systems and select PDUs fully manageable (monitored and controlled) nodes on their network.

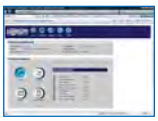
- Password-protected for increased security
- Flash-upgradeable for enhanced manageability
- Real-time clock and NTP-compatibility

Communicate with SNMPWEBCARD through:



3rd-Party SNMP Tool

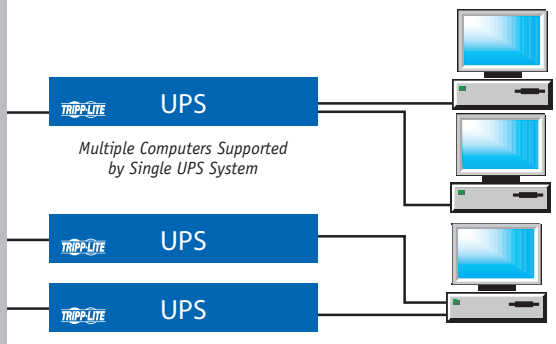
Telnet/SSH



Web Browser (HTTP/HTTPS)

Environmental Sensor
Using Tripp Lite's Environmental Sensor (Model # ENVIROSENSE, available separately) and SNMPWEBCARD, managers can monitor external temperature/humidity and contact-closure inputs.

Local Power Management



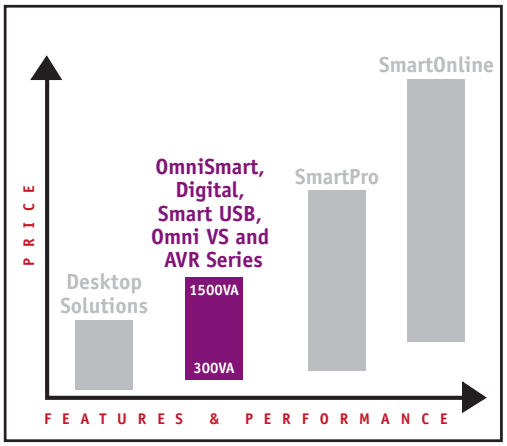
Multiple Computers Supported by Single UPS System

Redundant Protection: Single Computer Supported by Multiple UPS Systems

Real-Time Power Status Screen
Managers can view power events in real time, responding to power problems before they affect network performance.

Visit **www.tripplite.com/pa** for the latest PowerAlert downloads and updates.

OmniSmart, Digital, Smart USB, OmniVS and AVR Series Line-Interactive Tower and Low-Profile UPS Systems



- 300 - 1,500VA
- Automatic Voltage Regulation (AVR)
- Data Line Surge Protection Options
- Extended Runtime Options

Protect Every Application

OmniSmart, Digital, Smart USB, OmniVS and AVR Series UPS Systems are available in a wide variety of capacities to protect every size computer application from downtime, damage and data loss due to power problems. These UPS systems provide protection against all types of power problems, including brownouts, blackouts, surges and line noise. Line-interactive operation—also known as automatic voltage regulation (AVR)—keeps equipment working through low voltage (brownouts) indefinitely, without draining battery power. OmniSmart, Digital, Smart USB, OmniVS and AVR Series UPS Systems provide reliable battery power to keep computers up and running through short blackouts and allow enough time to safely shut down during longer ones.

Digital UPS Systems include an LCD status screen that shows power conditions in real time. Monitor input voltage, battery charge level, load status and other power conditions at a glance.

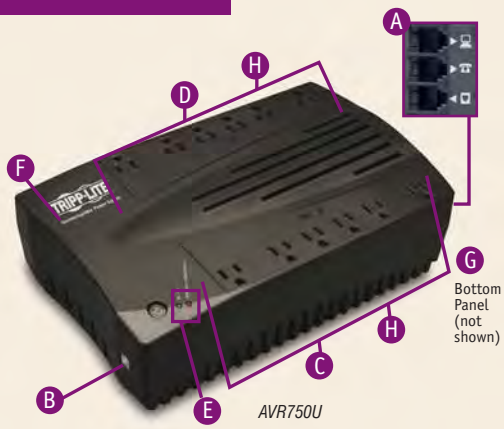
Go to **www.tripplite.com/runtime** for interactive battery backup runtime charts for every UPS model.

Protect Systems On Telephone, Ethernet or Coaxial Lines

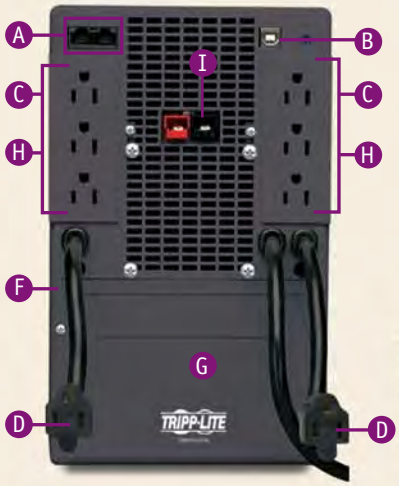
Select UPS systems include surge-protected jacks that safeguard equipment against damaging surges traveling on the telephone, Ethernet or coaxial lines. In addition to protecting equipment against surges, reliable battery backup power maintains Internet, network or coaxial connections during brief blackouts.

Automatically Shut Down Unattended Systems

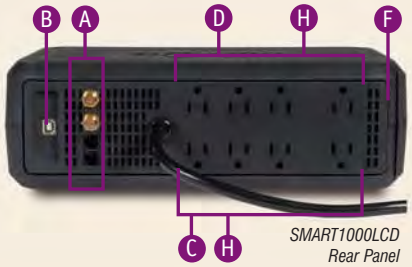
All models feature at least one built-in communication port. Use with included cabling and PowerAlert software (available as a FREE download) to automatically save open files and shut down unattended equipment during an extended blackout. PowerAlert software waits for a user-specified length of time (during which on-screen notifications are displayed) before saving data and shutting down connected equipment. SMART550USBWD model also includes WatchDog monitoring/rebooting software to automatically reboot locked-up equipment—perfect for kiosk, point-of-sale or other unattended applications.



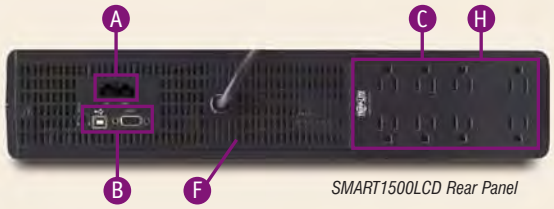
AVR750U



OMNIVS1500XL Rear Panel



SMART1000LCD Rear Panel



SMART1500LCD Rear Panel

A Data Line Surge Protection
Protect computers from damage on the telephone, Ethernet or coaxial line with surge-protected jacks on select models.

B Automatic Data Protection
At least one built-in communication port connects all models to a PC or workstation. Use with FREE PowerAlert software* and included cabling to automatically save open files and shut down equipment during an extended blackout.

* FREE download.

C Battery-Supported and Surge-Protected Outlets (for computers and monitors)
All models include receptacles that provide reliable battery support for computers and monitors during a blackout as well as complete surge suppression and line noise filtering.

D Surge-Only Protected Outlets (for printers and peripherals)
Select models include receptacles that provide complete surge suppression and line noise filtering for printers and peripherals.

E Performance Conditions Displayed
All UPS Systems feature either LEDs or an LCD status screen to alert you to potential power problems before they affect your equipment.

F Space-Saving Cabinets

G Battery Replacement Access

H Widely Spaced Outlets

I Extended Runtime Capability

Specifications

Model	Output Capacity	Typical Runtime[A] (Half/Full Load)	Extended Runtime	AC Outlet Quantity (5-15R)	Comm. Ports	Data Line Protection
OmniSmart UPS Systems						
OMNISMART300PNP	300VA/180W	29.8/10.8 min.	—	3	USB	Tel/Modem
OMNISMART500	500VA/300W	14.6/3.7 min.	—	6 (3 surge-only)	USB	Tel/Modem
OMNISMART700	700VA/450W	8.3/2.2 min.	—	6 (3 surge-only)	USB, DB9 Serial	Tel/Network
OMNISMART1050	1050VA/705W	23/7 min.	—	6	USB	—
OMNISMART1400	1400VA/940W	24/8 min.	—	6	USB	—
Digital UPS Systems						
LCD **OMNI650LCD**	650VA/350W	13.8/4.4 min.	—	8 (4 surge-only)	USB	—
LCD **OMNI900LCD**	900VA/475W	10/3 min.	—	8 (4 surge-only)	USB	—
LCD **SMART1000LCD**	1000VA/500W	10/3 min.	—	8 (4 surge-only)	USB	Tel/Modem, Coax
LCD **SMART1200LCD**	1200VA/700W	12/4 min.	—	8	USB, DB9 Serial	Tel/Network
LCD **SMART1300LCDT**	1300VA/720W	10/1.5 min.	—	8 (4 surge-only)	USB	Tel/Network, Coax
LCD **OMNI1500LCDT**	1500VA/810W	7.5/1.5 min.	—	10 (5 surge-only)	USB	Tel/Network, Coax
LCD **SMART1500LCD**	1500VA/900W	13/3.5 min.	—	8	USB, DB9 Serial	Tel/Network
LCD **SMART1500LCDT**	1500VA/900W	10/2.3 min.	—	10 (5 surge-only)	USB	Tel/Network, Coax
LCD 🔋 **SMART1500LCDXL**	1500VA/900W	12/4+ min.	A	8	USB, DB9 Serial	Tel/Network
Smart USB UPS Systems						
SMART550USB	550VA/300W	14.8/4.6 min.	—	6 (3 surge-only)	USB	Tel/Modem
SMART550USBWD	550VA/300W	15/4 min.	—	6 (3 surge-only)	USB	Tel/Modem
SMART750USB	750VA/450W	8.3/2.2 min.	—	6 (3 surge-only)	USB	Tel/Network
OmniVS UPS Systems						
OMNIVS800	800VA/475W	11.5/3.5 min.	—	7 (1 surge-only)	USB	Tel/Network
OMNIVS1000	1000VA/500W	14/3.5 min.	—	8 (2 surge-only)	USB	Tel/Network
OMNIVS1500	1500VA/940W	8.5/4 min.	—	8 (3 surge-only)	USB	Tel/Network
🔋 **OMNIVS1500XL**	1500VA/940W	13/4.5+ min.	A B C	8 (2 surge-only)	USB	Tel/Network
AVR Series UPS Systems						
AVR550U	550VA/300W	10.2/3.2 min.	—	8 (4 surge-only)	USB	Tel/Modem
AVR700U	700VA/350W	8.6/2.3 min.	—	8 (4 surge-only)	USB	Tel/Modem
AVR750U	750VA/450W	10/3 min.	—	12 (6 surge-only)	USB	Tel/Modem
AVR900U	900VA/480W	10.5/2.9 min.	—	12 (6 surge-only)	USB	Tel/Modem
Full-Isolation UPS Systems (Include built-in isolation transformer.)						
OMNI500ISO	500VA/300W	11/5.4 min.	—	3	USB	—
OMNI750ISO	750VA/500W	31.3/13.5 min.	—	6	USB	—
OMNI1000ISO	1000VA/700W	24/8 min.	—	6	USB	—
External Battery Packs						
A **BP24V15RT2U**	24V external battery pack and cable. Tower or 2U rack. Not expandable. Small RED/BLACK connector.					
B **BP24V28-2U**	24V external battery pack and cable. Tower or 2U rack. Not expandable. Small RED/BLACK connector.					
C **BP24V70-3U**	24V external battery pack and cable. Tower or 3U rack. Expandable. Small RED/BLACK connector.					

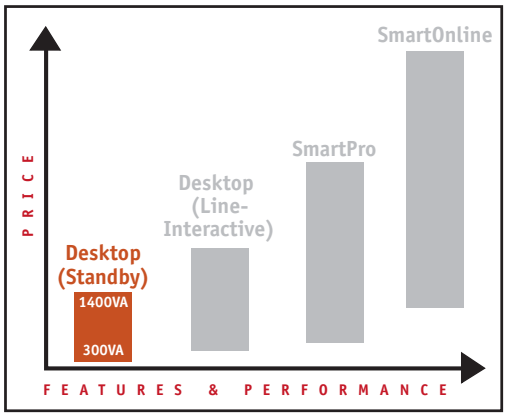
LCD Model with LCD. 🔋 Model with expandable runtime.

Certifications vary by model. All models have nominal 120V, 60Hz input/output and 5-15P input plug. **(A)** Runtime varies with load, battery condition and other factors. "+" Runtimes are expandable using optional external battery packs.

Visit **www.tripplite.com/avr** for the latest specifications, including weights and dimensions.

ECO-UPS, Internet Office, BC Pro and BC Personal

Standby Tower and Low-Profile UPS Systems



- 300 - 1,400VA
- Data Line Surge Protection Options
- Space-Saving Cabinets

Protect Every Application

Designed for desktop applications, ECO-UPS, Internet Office, BC Pro and BC Personal UPS Systems are available in a wide variety of capacities to protect every size computer from downtime, damage and data loss due to power problems. They provide protection against all types of power problems, including brownouts, blackouts, surges and line noise. They provide reliable battery power to keep computers up and running through short blackouts and brownouts, allowing enough time to save data and shut down during longer ones.

Protect Internet-Connected & Networked Systems

Computers connected to the Internet or Ethernet require additional protection against damaging surges traveling on phone or network lines. Select models include surge-protected jacks which safeguard modems and other communication hardware.

Go to **www.tripplite.com/runtime** for interactive battery backup runtime charts for every UPS model.

Protect the Planet & Save Money

ECO-UPS Systems use less electricity than conventional models, reducing your costs and your environmental impact:

- Green Outlet™ technology automatically cuts power to idle peripherals when your computer is turned off or in standby mode.*
- Superior power efficiency (up to 99%) conserves energy around the clock.
- Eco-friendly design and recyclable materials minimize hazardous substances and waste.

* USB connection required.

Automatically Shut Down Unattended Systems

Most models feature a built-in communication port. Use with included cabling and PowerAlert software (available as a FREE download) to automatically save open files and shut down unattended equipment during an extended blackout. PowerAlert software waits for a user-specified length of time (during which on-screen notifications are displayed) before safely shutting down connected equipment.

A W A R D - W I N N I N G T R I P P L I T E R E L I A B I L I T Y

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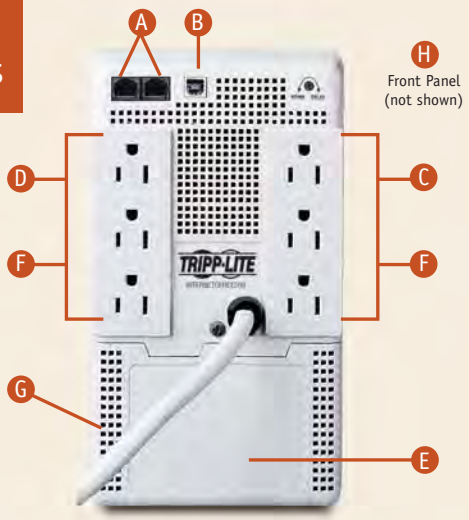
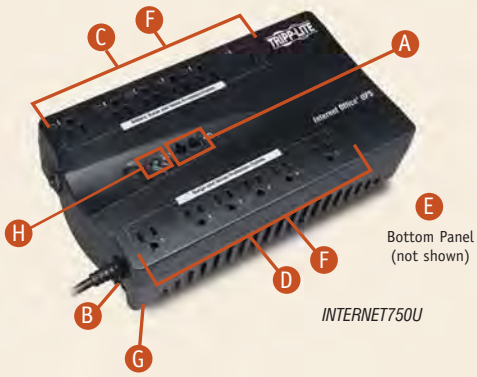
"Tripp Lite was the only power protection company I wanted to deal with."
Xerox Engineering Systems Rick Santina, Network Manager



INTERNETOFFICE500 Rear Panel



INTERNET750U

A Data Line Surge Protection

Protect Internet-connected or networked PCs from damage on the Ethernet and/or telephone line with surge-protected jacks featured on select models.

B Automatic Data Protection

Built-in communication port connects select models to a PC or workstation. Use with FREE PowerAlert software* and included cabling to automatically save open files and shut down equipment during an extended blackout.

* FREE download.

C Battery-Supported and Surge-Protected Outlets (for PCs and monitors)

All models include outlets that provide reliable battery support for PCs and monitors during a blackout as well as surge suppression and line noise filtering.

D Surge-Only Protected Outlets (for printers and peripherals)

Select models include outlets that provide surge suppression and line noise (cont.)

filtering for printers and peripherals. These outlets allow you to connect and protect peripherals without overloading the UPS system and diverting precious battery support away from your computer.

E Battery Replacement Panel

Tripp Lite UPS batteries will protect equipment for several years with normal use. Select models feature a removable panel which allows for internal battery replacement.*

* Tripp Lite offers a complete line of replacement battery cartridges (R.B.C.); visit www.tripplite.com.

F Widely Spaced Outlets

Select models feature outlets that accept multiple transformers without blocking access to other outlets.

G Space-Saving Cabinets

All models feature space-saving cabinets. Select models feature low-profile cabinets.

H Performance Conditions Displayed

Most models feature LEDs to alert you to potential power problems before they affect your equipment. ECO650LCD and ECO850LCD feature an LCD status screen.

Green Outlet Technology (not shown)

ECO-UPS Systems include special energy-saving outlets (ECO350UPS has 2; ECO550UPS and ECO650LCD have 3; ECO750UPS and ECO850LCD have 4). The UPS system automatically cuts power to the energy-saving outlets when it detects that your computer is turned off or in standby mode. (USB connection required.)

Specifications

Model	Output Capacity	Typical Runtime(A) (Half/Full Load)	AC Outlet Quantity (5-15R)	Comm. Ports	Data Line Protection	Form Factor
Internet Office UPS Systems						
INTERNETOFFICE300	300VA/150W	10/4 min.	6 (3 UPS/surge, 3 surge-only)	—	Tel/Network	Low-Profile
INTERNET350U	350VA/180W	11.3/3.1 min.	6 (3 UPS/surge, 3 surge-only)	USB	Tel/Modem	Low-Profile
INTERNET350SER	350VA/180W	10/2.5 min.	6 (3 UPS/surge, 3 surge-only)	DB9 Serial	Tel/Modem	Low-Profile
INTERNETOFFICE500	500VA/280W	14.8/4.6 min.	6 (3 UPS/surge, 3 surge-only)	USB	Tel/Network (2)	Tower
INTERNET550U	550VA/300W	10/3.5 min.	8 (4 UPS/surge, 4 surge-only)	USB	Tel/Modem	Low-Profile
INTERNET550SER	550VA/300W	11.5/3 min.	8 (4 UPS/surge, 4 surge-only)	DB9 Serial	Tel/Modem	Low-Profile
INTERNET600U	600VA/300W	9.9/3.4 min.	8 (4 UPS/surge, 4 surge-only)	USB	Tel/Modem	Low-Profile
INTERNETOFFICE700	700VA/425W	11.2/3.9 min.	6 (3 UPS/surge, 3 surge-only)	USB	Tel/Network	Tower
INTERNET750U	750VA/450W	11.4/2.4 min.	12 (6 UPS/surge, 6 surge-only)	USB	Tel/Modem	Low-Profile
INTERNET900U	900VA/480W	10/2.5 min.	12 (6 UPS/surge, 6 surge-only)	USB	Tel/Modem	Low-Profile
BC Pro UPS Systems						
BCPRO600	600VA/345W	14.5/5.7 min.	6 (3 UPS/surge, 3 surge-only)	USB	Tel/Network	Tower
BCPRO1050	1050VA/705W	23/7 min.	6	USB	—	Tower
BCPRO1400	1400VA/940W	24/8 min.	6	USB	—	Tower
BC Personal UPS Systems						
BCPERS300	300VA/180W	16.8/6.3 min.	3	—	—	Tower
BC350	350VA/180W	10/2.5 min.	6 (3 UPS/surge, 3 surge-only)	—	—	Low-Profile
BCPERS450	450VA/280W	14.8/4.6 min.	3	USB	—	Tower
ECO-UPS Systems						
ECO350UPS	350VA/180W	11.3/3.1 min.	6 (3 UPS/surge, 3 surge-only)	USB	Tel/Modem	Low-Profile
ECO550UPS	550VA/300W	10/3.5 min.	8 (4 UPS/surge, 4 surge-only)	USB	Tel/Modem	Low-Profile
ECO750UPS	750VA/450W	11.6/2.8 min.	12 (6 UPS/surge, 6 surge-only)	USB	Tel/Modem	Low-Profile
ECO-UPS Systems with LCD						
LCD ECO650LCD	650VA/325W	9.6/3 min.	8 (4 UPS/surge, 4 surge-only)	USB	Tel/Modem	Low-Profile
LCD ECO850LCD	850VA/425W	13/2.8 min.	12 (6 UPS/surge, 6 surge-only)	USB	Tel/Modem	Low-Profile

LCD Model with LCD.

Certifications vary by model. All models have nominal 120V, 60Hz input/output and 5-15P input plug. **(A)** Runtime varies with load, battery condition and other factors.

Visit **www.tripplite.com/standby** for the latest specifications, including weights and dimensions.

TRIPP·LITE INTEGRATED SOLUTIONS

Tripp Lite Manufactures More Than 2,500 Vendor-Neutral IT Infrastructure Solutions!

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Tripp Lite makes more than 100 EIA-compliant rack enclosures, open frame racks, wall-mount racks, close-coupled cooling solutions and rack accessories.

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Tripp Lite makes more than 100 basic, metered, monitored and switched rack PDUs in horizontal (1U/2U) and vertical (0U) form factors.

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Tripp Lite makes more than 50 KVM switches, rack consoles and IP console servers, with or without built-in remote access (KVM over IP), built-in LCD monitor, multiuser support and Cat5/UTP cabling.

Cables and Connectivity

Tripp Lite makes hundreds of cables, adapters and patch panels to connect high-speed data networks and power outlets to switches, routers and servers in high-density environments.

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