



APC™

# Easy UPS On-Line 230V

Product Brochure

For IT professionals in small to medium businesses, APC™ Easy UPS On-Line provides advanced power protection in unstable power conditions, ensuring consistent and reliable connectivity

APC™ Easy UPS On-line is a versatile, high quality, cost-competitive UPS, developed to handle a wide input voltage range and inconsistent power conditions, delivering quality power to millions of IT professionals around the world trust.

That's Certainty in a Connected World.

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Life Is On

Schneider  
Electric

# APC Easy UPS On-Line standard features and applications

## Standard Models

Built-in batteries for Plug-and-Play will provide a ~2 to 4 mins typical battery backup power for the connected equipment at full load.

## Extended-Run Models

Extended-run models have the capability to add external battery packs to scale runtime from minutes to hours, making them ideal for mixed load applications.



## Standard Features

### High Power Factor

Unity power factor VA=Watt. Powers more servers than similar UPSs with equivalent VA ratings with lower power factors.

### Wide Input Voltage Range

5kVA - 110-300VAC

Works in unstable power conditions and minimizes transfer to battery.

### LCD/LED Display

Intuitive interface provides detailed and accurate information about UPS status with ability to configure locally.

### Built-in Automatic Bypass

Ensures seamless power to the load even in the event of UPS internal detected fault or error.

### Emergency Power Off (EPO)

Remote UPS shutoff in the event of a fire or other emergency. The UPS can accept normally closed (NC) contacts.(on select models only)

### True online double-conversion

Ensures clean, reliable power supply to essential loads from brownouts, line noise, voltage transients and power outages.

### Generator Compatible

Generator-compatible with a wide Input Frequency range (40Hz-70Hz) ensures clean, uninterrupted power to the loads during power outage.

### High Efficiency

Up to 94% efficiency in online double conversion mode and 97% in ECO mode which saves utility and cooling costs without compromising performance or reliability.

### Environmentally Robust

Conformal coated to help protect the components from the elements, including moisture, dust and extreme temperatures.

### Cold Start Capability

Enables user to power up connected equipment's on battery mode when utility power is not available.

### 2 year warranty on UPS

Comprehensive warranty for electronics and battery functionality provides peace of mind. In an unlikely event of a detected fault or error, your product will be repaired or replaced quickly.

### Typical applications

- Small data centers and computer rooms
- Manufacturing facilities
- Telecommunication
- Healthcare IT
- Network Storage Devices

# Easy UPS On-Line Accessories



Management card: APV9601

## Management cards

- APV9601: SNMP card for remote management and control of UPS
- VGL9901I: Dry contact card to monitor external triggers and initiate actions
- SRVSMB001: Modbus card for communication with PCs through MODBUS protocol



Battery pack: SRV192RBP-7A

## Battery packs

- SRV192RBP-7A: External battery pack for 5kVA and 6kVA standard model UPS
- SRV240RLBP-9A: External battery pack for 5kVA, 6kVA and 10kVA extended run UPS



Rail kit: SRVRK2

## Rail kits

- SRVRK1: 700 mm depth rail kit. Can support rack mount installation for standard 19 inch rack equipment with maximum weight of 60 kgs
- SRVRK2: 900 mm depth rail kit. Can support rack mount installation for standard 19 inch rack equipment with maximum weight of 100 kgs

## Runtime estimates at half and full load (minutes)

Number of Battery Packs	SRV5KRI SRV5KRIRK	SRV5KRIL SRV5KRILRK
UPS at half/full load (Watt)	2500/5000	2500/5000
(1) Battery pack (default)	10/3.5	26/10
(2) Battery packs	-	61/26
(3) Battery packs	-	100/43
(4) Battery packs	-	141/61

Runtime in the table are approximate only. All measurements taken with new, fully charged batteries, at typical environmental conditions, with no electrical input and balanced resistive load (PF = 1.0) output.

# Technical Specification

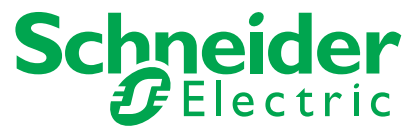
Product feature	SRV5KRI SRV5KRIRK	SRV5KRIL SRV5KRILRK
Power rating	5000 VA/5000 W	5000 VA/5000 W
Input		
Nominal input voltage	230 V	
Input voltage range at full load (half load)	176 - 300 V (110 - 300 V)	
Input frequency	40-70 Hz auto-selecting	
Input connection	(1) Hardwire three wire (1 PH+N+G)	
Output		
Nominal output voltage	230 V (220 V, 240 V user selectable)	
Output frequency	50/60 Hz $\pm$ 3 Hz (On Mains) 50/60 Hz $\pm$ 0.1 Hz (On Battery)	
Topology	Double-conversion online	
Waveform type	Pure sinewave	
Efficiency: Double conversion mode (typical)	Upto 94%	
Efficiency: ECO mode (typical)	Upto 97%	
Output connections	(1) Hardwire (1 PH+N+G)	
Battery and Runtime*		
Battery type	Sealed maintenance free valve regulated lead acid battery, leak proof	
Battery capacity	1 string of 12 V 7 Ah x 16	1 string of 12 V 9 Ah x 20
Battery voltage	192 V	240 V
External battery pack	SRV192BP-7A	SRV240RLBP-9A
Typical recharge time	4 hours to recover 90% of capacity	
Runtime at half load (mins)	10	26
Runtime at full load (mins)	3.5	10
Communications and management		
Interface ports	Serial RS-232, USB (type B), Intelligent Smart-Slot	
Control panel	LED indicators, multi-function LCD, status and display console	
Emergency power off (EPO)	Yes (NC contacts)	
Physical		
Rack height (U)	4U	5U
Dimensions W x H x D (mm) (power module)	438 x 86.5 x 615	438 x 86 x 615
Dimensions W x H x D (mm) (battery pack)	438 x 86 x 632	438 x 133 x 606
Net weight (kg) (power module)	15	16
Net weight (kg) (battery pack)	47	63
Color	RAL7010	
Environment		
Operating temperature	0°C to 40°C	
Relative humidity	0 to 95% non-condensing	
Operating elevation	0 to 2,000m at 100% load	
Audible noise at 1m from unit	Less than 60dB	
International Protection code	IP20	
Conformance		
Regulatory approvals	CE, UKCA, IEC 62040-1, IEC 62040-2	
Standard warranty	2 years repair or replace	

All specifications are subject to change without prior notice.

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