



Rack Power Distribution

Worldwide

APC[™]

by Schneider Electric



Introduction

APC™ by Schneider Electric™ offers a wide array of standardized Rack Power Distribution Units (PDUs) designed to increase manageability and efficiency in your data center.

Basic Rack PDUs

- reliable power distribution

Metered Rack PDUs

- real-time remote monitoring of connected loads
- user-defined alarms warn IT and data center managers of potential circuit overloads to prevent accidental power loss to critical equipment

Switched Rack PDUs

- metered functionality
- individual outlet control to power cycle outlets
- manage on-off equipment sequencing

Metered by Outlet Rack PDUs

- provide greater power management
- individual outlet-level power metering
- user-resettable energy (kWh) logs for capacity planning and energy efficiency initiatives

AP8000 Series Rack PDUs

The AP8000 Series Rack PDU platform will help IT and facilities managers more effectively manage power capacity and functionality for critical network, server, and data center equipment. These Rack PDUs solve rack-level power needs while incorporating intelligent features such as real power measurement and environmental monitoring, all in a space-efficient, zero-U form factor. AP8000 Series Rack PDUs include active power metering and remote alarming with volts, amps, real power (kW), and energy (kWh) measurements.

Rack PDU Product Feature by Family/Series

	Basic	Metered		Switched		Metered by Outlet with Switching
	AP7500 and 9500 Series	AP7800 Series	AP8800 Series	AP7900 Series	AP8900 Series	AP8600 Series
Design Features						
Ultra-low-profile, space-saving design	✓	✓	✓	✓	✓	✓
Hydraulic-magnetic circuit breakers (in units configured with circuit breakers)	✓	✓	✓	✓	✓	✓
Ultra-low-profile circuit breakers (for units with breakers)			✓		✓*	
Locking IEC receptacles and locking power cord compatible			✓		✓	✓
Environmental monitoring port for external temperature/humidity monitoring			✓		✓	✓
Display and Network Management						
Full featured network management capability via Web, SNMP, Telnet		✓	✓	✓	✓	✓
Two digit, 7-segment LED display		✓		✓		
User-interactive LCD display for local access			✓		✓	✓
Network Port Sharing (Up to four rack PDUs share one IP address in one enclosure)			✓		✓	✓
Local USB port for easy local firmware updates			✓		✓	✓
Metering Capability						
Active current measurements (amps)		✓	✓	✓	✓	✓
Active power measurements (Including volts, amps, real power (kW), and energy (kWh))			✓		✓	✓
User customizable alarms and warnings		✓	✓	✓	✓	✓
Embedded log memory to record/review/report historic metered data		✓	✓	✓	✓	✓
Individual outlet power metering						✓
Outlet Control						
Individual outlet remote power on/off control				✓	✓	✓
Power-on sequencing and time delays with full user customization				✓	✓	✓
Outlet level grouping (multiple outlets in same or multiple units follow single command)				✓	✓	✓
User access control with assignable roles, access levels at device and outlet level				✓	✓	✓
Maintenance and Upgradeability						
Redundant internal power supply for improved Switched Rack PDU reliability				✓	✓	✓
Field-replaceable network management module			✓		✓	✓

*Not applicable on AP8965.

Basic Rack PDUs

APC Basic Rack PDUs provide reliable power distribution via a single input with multiple output receptacles and distributes power from low-amperage, single-phase circuits to higher-power, three-phase solutions.



Voltage	Mounting U-space	Nominal Voltage	Region	Input Circuit	Nominal Power	Input Plug Type	Output Receptacles	Cord Length	APC SKU
100 – 120 V Input	Vertical, 0U	100 – 120	NAM, LAM	15 A	1.4 kW	NEMA 5-15P	(14) 5-15	3.6 m	AP9567
	Vertical, 0U	120	NAM	20 A	1.9 kW	NEMA L5-20P	(24) 5-20	3.0 m	AP7530
	Vertical, 0U	100 – 120	NAM	20 A	1.9 kW	NEMA L5-20P	(14) 5-15	3.6 m	AP9551
	Vertical, 0U	100 – 120	Japan	20 A	2.0 kW	NEMA L5-20P	(24) 5-15	3.0 m	AP7530J
	Vertical, 0U	120	NAM	30 A	2.9 kW	NEMA L5-30P	(24) 5-20	3.0 m	AP7532
	Vertical, 0U	100	Japan	30 A	3.0 kW	NEMA L5-30P	(24) 5-15	3.0 m	AP7532J
	Horizontal, 1U	100 – 120	NAM, LAM	15 A	1.4 kW	NEMA 5-15P	(10) 5-15	3.6 m	AP9562
	Horizontal, 1U	100 – 120	NAM	20 A	1.9 kW	NEMA 5-20P	(10) 5-20	3.6 m	AP9563
	Horizontal, 1U	100 – 120	NAM	20 A	1.9 kW	NEMA L5-20P	(10) 5-20	3.6 m	AP9564
	Horizontal, 1U	100 – 120	NAM	30 A	2.9 kW	NEMA L5-30P	(10) 5-20	3.6 m	AP9560
200 – 240 V Input	Vertical, 0U	120 – 240	Worldwide	10 A	2.3 kW	IEC C14	(15) C13	2 m	AP9568
	Vertical, 0U	120 – 230	Worldwide	16 A	3.3 kW	IEC 320 C20	(15) C13	2.5 m	AP9572
	Vertical, 0U	200 – 240	NAM	20 A	3.3 kW	NEMA L6-20P	(20) C13 (4) C19	3.0 m	AP7540
	Vertical, 0U	230	EMEA, APJ, LAM, GCN	16 A	3.7 kW	IEC 309 16 A	(20) C13 (4) C19	1.0 m	AP7551
	Vertical, 0U	230	EMEA, APJ, LAM, GCN	16 A	3.7 kW	IEC 309 16 A	(20) C13 (4) C19	3.0 m	AP7554
	Vertical, 0U	230	Worldwide	16 A	3.7 kW	IEC C20	(20) C13 (4) C19	3.0 m	AP7552
	Vertical, 0U	200 – 240	NAM	30A	5.0 kW	NEMA L6-30P	(20) C13 (4) C19	3.0 m	AP7541
	Vertical, 0U	230	EMEA, APJ, LAM, GCN	32 A	7.4 kW	IEC 309 32 A	(20) C13 (4) C19	3.0 m	AP7553
	Horizontal, 1U	208	NAM, LAM	20 A	3.3 kW	NEMA L6-20P	(12) C13	3.6 m	AP9566
	Horizontal, 1U	120 – 240	Worldwide	16 A	3.7 kW	IEC C20	(10) C13 (2) C19	2.5 m	AP9559
	Horizontal, 1U	100 – 240	Worldwide	16 A	3.7 kW	IEC C20	(12) C13	2.5 m	AP9565
	Horizontal, 1U	208	NAM	30 A	5.0 kW	NEMA L6-30P	(4) C19	3.0 m	AP9570
	Horizontal, 1U	200 – 240	NAM, LAM	30 A	5.0 kW	NEMA L6-30P	(10) C13	3.6 m	AP9571A
	Horizontal, 2U	230	EMEA, APJ, LAM, GCN	32 A	7.4 kW	Hardwire	(4) C19	8.5 m	AP7585
	Horizontal, 2U	230	EMEA, APJ, LAM, GCN	32 A	7.4 kW	Hardwire	(4) IEC 309 32A	8.5 m	AP7586

Rack PDU Mounting Styles

> Horizontal 1/2U mounting



> Vertical 0U mounting with toolless mounting



> Space-saving 0U mounting options (AR7711)



Basic Rack PDUs Continued...

	Voltage	Mounting U-space	Nominal Voltage	Region	Input Circuit	Nominal Power	Input Plug Type	Output Receptacles	Cord Length	APC SKU
208 V Three-phase input	Vertical, 0U	208	NAM	20 A, 3 ϕ	5.8 kW	NEMA L21-20P	⊕	(42) 5-20	1.0 m	AP7562
	Vertical, 0U	208	NAM	20 A, 3 ϕ	5.8 kW	NEMA L21-20P	⊕	(42) 5-20	3.0 m	AP7592
	Vertical, 0U	208	NAM	20 A, 3 ϕ	5.8 kW	NEMA L21-20P	⊕	(21) 5-20 (6) L6-20	1.0 m	AP7563
	Vertical, 0U	208	NAM	20 A, 3 ϕ	5.8 kW	NEMA L21-20P	⊕	(36) C13 (6) C19	1.0 m	AP7564
	Vertical, 0U	200 – 240	NAM	50 A, 3 ϕ	12.5 kW	CS8365C	⊕	(30) C13 (6) C19	1.0 m	AP7568
	Vertical, 0U	200 – 240	NAM	50 A, 3 ϕ	12.5 kW	CS8365C	⊕	(30) C13 (6) C19	3.0 m	AP7598
	Vertical, 0U	200 – 240	NAM	50 A, 3 ϕ	14.4 kW	CS8365C	⊕	(24) C13 (4) C19 (2) L6-30	1.0 m	AP7569
	Vertical, 0U	200 – 240	NAM	50 A, 3 ϕ	14.4 kW	CS8365C	⊕	(24) C13 (4) C19 (2) L6-30	3.0 m	AP7599
	Vertical, 0U	208	NAM	50 A, 3 ϕ	12.5 kW	CS8365C	⊕	(6) C19 (3) C13	1.8 m	AP7567A
	Horizontal, 1U	200 – 240	NAM	50 A, 3 ϕ	14.4 kW	CS8365C	⊕	(6) C19	2.4 m	AP7516
	Horizontal, 2U	120/208	NAM	30 A, Split ϕ	5.8 kW	NEMA L14-30P	⊕	(4) L5-20	8.5 m	AP7580
	Horizontal, 2U	120/208	NAM	30 A, Split ϕ	5.8 kW	NEMA L14-30P	⊕	(4) L6-20	8.5 m	AP7581
	Horizontal, 2U	120/208	NAM	30 A, Split ϕ	5.8 kW	NEMA L14-30P	⊕	(12) 5-20	8.5 m	AP7582
	Horizontal, 2U	120/208	NAM	30 A, Split ϕ	5.8 kW	NEMA L14-30P	⊕	(4) L5-30	8.5 m	AP7583
Horizontal, 2U	120/208	NAM	30 A, Split ϕ	5.8 kW	NEMA L14-30P	⊕	(4) L6-30	8.5 m	AP7584	
400 – 415 V Three-phase input	Vertical, 0U	400	EMEA, APJ, LAM, GCN	16 A, 3 ϕ	11 kW	IEC 309 16 A 3P+N+PE	⊕	(36) C13 (6) C19	1.0 m	AP7557
	Vertical, 0U	400	EMEA, APJ, LAM, GCN	16 A, 3 ϕ	22 kW	IEC 309 32 A 3P+N+PE	⊕	(6) C19 (3) C13	1.8 m	AP7555A
	Vertical, 0U	415	NAM	20 A, 3 ϕ	11.5 kW	IEC 309 20 A 3P+N+PE	⊕	(36) C13 (6) C19	1.0 m	AP7557NA
	Horizontal, 1U	400	EMEA, APJ, LAM, GCN	32 A, 3 ϕ	22 kW	IEC 309 32 A 3P+N+PE	⊕	(6) C19	2.4 m	AP7526

Choosing APC Rack PDUs

Use the Rack PDU Selector to help you choose from our diverse rack power distribution offerings, designed to meet the needs of entry-level networking equipment and high-density server and blade environments.



www.apc.com/tools/selector/pdu/

The APC Rack PDU Selector can filter Rack PDU selection by:

- > Family type
- > Output voltage
- > Mount style (vertical or horizontal)
- > Input plug
- > Localized price

A wide selection of APC Rack PDUs are also available in Schneider Electric Design Portal tools such as:

- > InfraStruxure™ Designer
- > Small IT Solution Designer

Metered Rack PDUs

Metered Rack PDUs provide real-time remote monitoring of connected loads. User-defined alarms warn of potential circuit overloads before critical IT failures occur.

	Voltage	Mounting U-space	Nominal Voltage	Region	Input Circuit	Nominal Power	Input Plug Type	Output Receptacles	Cord Length	APC SKU
100 – 120 V Input		Vertical, 0U	100 – 120	NAM	15 A	1.4 kW	NEMA 5-15P	(16) 5-15	3.0 m	AP7831
		Vertical, 0U	120	NAM	20 A	1.9 kW	NEMA L5-20P	(24) 5-20	3.0 m	AP7830
		Vertical, 0U	100	Japan	20 A	2.0 kW	NEMA L5-20P	(24) 5-15	3.0 m	AP7830J
		Vertical, 0U	100	Japan	30 A	2.4 kW	NEMA L5-30P	(24) 5-15	3.0 m	AP7832J
		Vertical, 0U	120	NAM	30 A	2.9 kW	NEMA L5-30P	(24) 5-20	3.0 m	AP7832
		Horizontal, 1U	120	NAM, LAM	15 A	1.4 kW	NEMA 5-15P	(8) 5-15	3.6 m	AP7800
		Horizontal, 1U	120	NAM, LAM	20 A	1.9 kW	NEMA L5-20P	(8) 5-20	3.6 m	AP7801
		Horizontal, 2U	120	NAM, LAM	30 A	2.9 kW	NEMA L5-30P	(16) 5-20	3.6 m	AP7802
		Horizontal, 2U	100	Japan	30 A	3.0 kW	NEMA L5-30P	(16) 5-15	3.6 m	AP7802J
200 – 240 V Input		Vertical, 0U	230	Worldwide	10/15 A	2.3 kW	IEC 320 C14	(16) C13	3.0 m	AP7850
		Vertical, 0U	100 – 240	NAM, LAM	20 A	3.3 kW	NEMA L6-20P	(18) C13 (2) C19	3.0 m	AP8858NA3
		Vertical, 0U	100 – 240	Worldwide	16 A	3.3 kW	IEC 320 C20	(18) C13 (2) C19	Inlet	AP8858
		Vertical, 0U	100 – 240	EMEA, APJ, LAM, GCN	16 A	3.7 kW	IEC 309 16 A	(18) C13 (2) C19	3.0 m	AP8858EU3
		Vertical, 0U	200 – 240	NAM, Japan LAM	30 A	5.0 kW	NEMA L6-30P	(36)C13 (6) C19	3.0 m	AP8841
		Vertical, 0U	220 – 240	EMEA, APJ, LAM, GCN	32 A	7.4 kW	IEC 309 32 A	(36)C13 (6) C19	3.0 m	AP8853
		Horizontal, 1U	100 – 240	Worldwide	10/15 A	2.5 kW	IEC 320 C14	(8) C13	Inlet	AP7820
		Horizontal, 1U	100 – 240	Worldwide	16 A	3.3 kW	IEC 320 C20	(8) C13	Inlet	AP7821
		Horizontal, 2U	200 – 240	NAM	30 A	5.0 kW	NEMA L6-30P	(12) C13 (4) C19	3.6 m	AP7811
		Horizontal, 2U	230	EMEA, APJ, LAM, GCN	32A	7.4 kW	IEC 309 32 A	(12) C13 (4) C19	3.6 m	AP7822

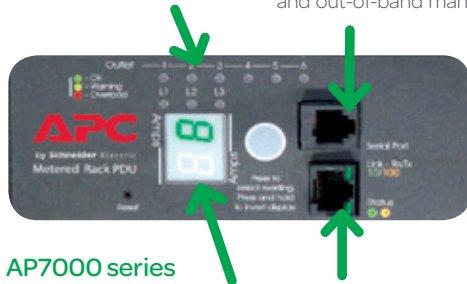
Rack PDU local display

Load indicator LEDs

Serial connection: local configuration and out-of-band management

User interactive display for local access

Environmental monitoring port for external temperature/humidity probe



AP7000 series

Local two-digit LED current monitoring display

Network management: access, configure, and receive warnings from remote locations via Web, SNMP, and Telnet





































AP8000 series

CAN In/Out ports for network port sharing

Local USB port for flash firmware updates and downloading data/event logs (not to be used as serial port)

Metered Rack PDUs Continued...

	Voltage	Mounting U-space	Nominal Voltage	Region	Input Circuit	Nominal Power	Input Plug Type	Output Receptacles	Cord Length	APC SKU
208 V Three-phase Input	Vertical, 0U	208	NAM	20 A, 3 ϕ	5.7 kW	NEMA L21-20P	⊕	(42) 5-20 	1.0 m	AP7862
	Vertical, 0U	208	NAM	20 A, 3 ϕ	5.7 kW	NEMA L21-20P	⊕	(42) 5-20 	3.0 m	AP7892
	Vertical, 0U	208	NAM	20 A, 3 ϕ	5.7 kW	NEMA L21-20P	⊕	(21) 5-20  (6) L6-20 	1.0 m	AP7863
	Vertical, 0U	208	NAM	20 A, 3 ϕ	5.7 kW	NEMA L21-20P	⊕	(21) 5-20  (6) L6-20 	3.0 m	AP7893
	Vertical, 0U	208	NAM	20 A, 3 ϕ	5.7 kW	NEMA L21-20P	⊕	(36) C13  (2) 5-20  (6) C19 	1.8 m	AP8861
	Vertical, 0U	208	Japan	20 A, 3 ϕ	6.0 kW	NEMA L21-20P	⊕	(42) 5-15 	1.0 m	AP7862J
	Vertical, 0U	208	NAM	30 A, 3 ϕ	8.6 kW	NEMA L21-30P	⊕	(36) C13  (2) 5-20  (6) C19 	1.8 m	AP8865
	Vertical, 0U	200 – 240	NAM	50 A, 3 ϕ	10.0 kW	CS8365C	⊕	(36) C13  (6) C19 	1.8 m	AP8868
	Vertical, 0U	200 – 240	NAM	50 A, 3 ϕ	14.4 kW	CS8365C	⊕	(24) C13  (2) L6-30  (4) C19 	1.0 m	AP7869
	Vertical, 0U	200 – 240	NAM	50 A, 3 ϕ	14.4 kW	CS8365C	⊕	(24) C13  (2) L6-30  (4) C19 	3.0 m	AP7899
	Vertical, 0U	200 – 240	NAM	50 A, 3 ϕ	14.4 kW	CS8365C	⊕	(6) C19 	1.8 m	AP7867A
	Vertical, 0U	200 – 240	NAM	60 A, 3 ϕ	17.3 kW	IEC 309 60 A 3P+PE	⊕	(12) C19  (6) C13 	1.8 m	AP8866
	Vertical, 0U	200 – 240	NAM	60 A, 3 ϕ	17.3 kW	IEC 309 60 A 3P+PE	⊕	(30) C13 	1.8 m	AP8867
400 – 415 V Three-phase Input	Vertical, 0U	400 – 415	Worldwide	16 A, 3 ϕ	11 kW	IEC 309 16 A 3P+N+PE	⊕	(36) C13  (6) C19 	1.8 m	AP8881
	Vertical, 0U	415	NAM	30 A, 3 ϕ	17.3 kW	IEC 309 30 A 3P+N+PE	⊕	(12) C19  (30) C13 	1.8 m	AP8887
	Vertical, 0U	400	EMEA, APJ, LAM, GCN	32 A, 3 ϕ	22 kW	IEC 309 32 A 3P+N+PE	⊕	(12) C19  (30) C13 	1.8 m	AP8886
	Vertical, 0U	400	EMEA, APJ, LAM, GCN	32 A, 3 ϕ	22 kW	IEC 309 32 A 3P+N+PE	⊕	(6) C19 	1.8 m	AP7855A
	Vertical, 0U	415	NAM	40 A, 3 ϕ	23 kW	IEC 309 60 A 3P+N+PE	⊕	(12) C19  (30) C13 	1.8 m	AP8888

Rack PDU Software options:

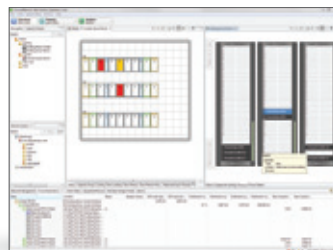
APC Intelligent Rack PDUs provide remote power utilization data and optional outlet control to allow data center managers to make informed decisions on load balancing and right-sizing IT environments to lower total cost of ownership.

Remote access to Intelligent Rack PDUs is available via:

- > Web browser
- > Telnet (CLI)
- > SNMP





















































Integration with StruxureWare for Data Centers Software

APC Rack PDUs, when combined with StruxureWare™ Data Center Operations, help provide an instant overview of data center operations with additional inventory management, PUE calculation, real-time device alarms, and location-based drill-down of power distribution.



Switched Rack PDUs

Switched Rack PDUs provide advanced load monitoring combined with remote on/off switching control of individual outlets for power cycling, delayed power sequencing, and outlet use management.

Voltage	Mounting U-space	Nominal Voltage	Region	Input Circuit	Nominal Power	Input Plug Type	Output Receptacles	Cord Length	APC SKU
100 – 120 V Input	Vertical, 0U	100 – 120	NAM	15 A	1.4 kW	NEMA 5-15P 	(16) 5-15 	3.0 m	AP7931
	Vertical, 0U	120	NAM, LAM	20 A	1.9 kW	NEMA L5-20P 	(24) 5-20 	3.0 m	AP7930
	Vertical, 0U	100	Japan	20 A	1.9 kW	NEMA L5-20P 	(24) 5-15 	3.0 m	AP7930J
	Vertical, 0U	120	NAM, LAM	30 A	2.9 kW	NEMA L5-30P 	(24) 5-20 	3.0 m	AP7932
	Vertical, 0U	100	Japan	30 A	3.0 kW	NEMA L5-30P 	(24) 5-15 	3.0 m	AP7932J
	Horizontal, 1U	100 – 120	NAM, LAM	15 A	1.4 kW	NEMA 5-15P 	(8) 5-15 	3.6 m	AP7900
	Horizontal, 1U	100 – 120	NAM	20 A	1.9 kW	NEMA L5-20P 	(8) 5-20 	3.6 m	AP7901
	Horizontal, 2U	120	NAM	30 A	2.9 kW	NEMA L5-30P 	(16) 5-20 	3.6 m	AP7902
	Horizontal, 2U	100	Japan	32 A	3.0 kW	NEMA L5-30P 	(16) 5-15 	3.6 m	AP7902J
200 – 240 V Input	Vertical, 0U	230	EMEA, APJ, GCN	10 A	2.3 kW	IEC C14 	(16) C13 	3.0 m	AP7950
	Vertical, 0U	100 – 240	NAM, LAM	20 A	3.3 kW	NEMA L6-20P 	(7) C13  (1) C19 	3.0 m	AP8958NA3
	Vertical, 0U	100 – 240	Worldwide	16 A	3.3 kW	IEC 320 C20 	(7) C13  (1) C19 	Inlet	AP8958
	Vertical, 0U	230	EMEA, APJ, LAM, GCN	16 A	3.7 kW	IEC 309 16 A 	(7) C13  (1) C19 	3.0 m	AP8958EU3
	Vertical, 0U	100 – 240	NAM, LAM	20 A	3.3 kW	NEMA L6-20P 	(21) C13  (3) C19 	3.0 m	AP8959NA3
	Vertical, 0U	100 – 240	Worldwide	16 A	3.3 kW	IEC 320 C20 	(21) C13  (3) C19 	Inlet	AP8959
	Vertical, 0U	230	EMEA, APJ, LAM, GCN	16 A	3.7 kW	IEC 309 16 A 	(21) C13  (3) C19 	3.0 m	AP8959EU3
	Vertical, 0U	200 – 240	NAM, LAM	30 A	5.0 kW	NEMA L6-30P 	(21) C13  (3) C19 	3.0 m	AP8941
	Vertical, 0U	220 – 240	EMEA, APJ LAM, GCN	32 A	7.4 kW	IEC 309 32 A 	(21) C13  (3) C19 	3.0 m	AP8953
	Horizontal, 1U	208 – 230	Worldwide	10/15 A	2.5 kW	IEC 320 C14 	(8) C13 	2.0 m	AP7920
	Horizontal, 1U	208 – 230	Worldwide	16 A	3.3 kW	IEC 320 C20 	(8) C13 	2.4 m	AP7921
	Horizontal, 2U	200 – 240	NAM	30 A	5.0 kW	NEMA L6-30P 	(16) C13 	3.6 m	AP7911A
	Horizontal, 2U	230	EMEA, APJ, LAM, GCN	32 A	7.4 kW	IEC 309 32 A 	(16) C13 	3.6 m	AP7922

What is metered on AP8800, AP8900, and AP8600 Series Rack PDUs?











- > **Device:** power and energy
- > **Phase:** current*, power, and voltage
- > **Internal circuit breaker (bank):** current*
- > **Outlet:** current, power, energy (AP8600 Series only)

Why do we meter?

- > **Device:** Rack level capacity change, planning, and efficiency calculations
- > **Phase:** Balance loads between phases to protect against tripping upstream branch circuit breakers
- > **Internal circuit breaker (bank):** Protect against tripping internal circuit breakers
- > **Outlet:** Detailed capacity change, equipment efficiency, and trends















*AP7000 series monitors current per phase and breaker only.

Switched Rack PDUs Continued...

Voltage	Mounting U-space	Nominal Voltage	Region	Input Circuit	Nominal Power	Input Plug Type		Output Receptacles	Cord Length	APC SKU
208 V Three-phase Input	Vertical, 0U	208	NAM	20 A, 3 ϕ	5.7 kW	NEMA L21-20P	⊕	(24) 5-20	1.0 m	AP7960
	Vertical, 0U	208	NAM	20 A, 3 ϕ	5.7 kW	NEMA L21-20P	⊕	(24) 5-20	3.0 m	AP7990
	Vertical, 0U	208	NAM	20 A, 3 ϕ	5.7 kW	NEMA L21-20P	⊕	(21) C13  (3) C19 	1.8 m	AP8961
	Vertical, 0U	208	NAM	30 A, 3 ϕ	8.6 kW	NEMA L21-30P	⊕	(21) C13  (3) C19 	1.8 m	AP8965
	Vertical, 0U	200 – 240	NAM	50 A, 3 ϕ	12.5 kW	CS8365C	⊕	(21) C13  (3) C19 	1.0 m	AP7968
	Vertical, 0U	200 – 240	NAM	50 A, 3 ϕ	12.5 kW	CS8365C	⊕	(21) C13  (3) C19 	3.0 m	AP7998
400 – 415 V Three-phase Input	Vertical, 0U	400 – 415	Worldwide	16 A, 3 ϕ	11 kW	IEC 309 16 A 3P+N+PE	⊕	(21) C13  (3) C19 	1.8 m	AP8981

Metered by Outlet with Switching Rack PDUs

Metered-by-outlet Rack PDUs provide real-time remote monitoring of each individual outlet to empower IT professionals with the necessary tools for advanced data center energy management.

Voltage	Mounting U-space	Nominal Voltage	Region	Input Circuit	Nominal Power	Input Plug Type		Output Receptacles	Cord Length	APC SKU
200 – 240 V Input	Vertical, 0U	208	NAM	20 A	3.3 kW	NEMA L6-20P	⊕	(21) C13  (3) C19 	3.0 m	AP8659NA3
	Vertical, 0U	100 – 240	Worldwide	20 A	3.3 kW	IEC 320 C20	⊕	(21) C13  (3) C19 	Inlet	AP8659
	Vertical, 0U	230	EMEA, APJ, LAM, GCN	16 A	3.7 kW	IEC 309 16 A	⊕	(21) C13  (3) C19 	3.0 m	AP8659EU3
	Vertical, 0U	200 – 240	NAM, Japan LAM	30 A	5.0 kW	NEMA L6-30P	⊕	(21) C13  (3) C19 	3.0 m	AP8641
	Vertical, 0U	220 – 240	EMEA, APJ, LAM, GCN	32 A	7.4 kW	IEC 309 32 A	⊕	(21) C13  (3) C19 	3.0 m	AP8653
208 V Three-phase Input	Vertical, 0U	208	NAM	20 A, 3 ϕ	5.7 kW	NEMA L21-20P	⊕	(21) C13  (3) C19 	1.8 m	AP8661
400 – 415 V Three-phase Input	Vertical, 0U	400 – 415	Worldwide	16 A, 3 ϕ	11 kW	IEC 309 16 A 3P+N+PE	⊕	(21) C13  (3) C19 	1.8 m	AP8681



AP8661

Rack-mount Transfer Switch

Input Voltage	Mounting U-space	Input Circuit	Input Plug Type	Output Receptacles	Cord Length	APC SKU
100 V	1	20 A	NEMA L5-20P	(8) 5-15	2.4 m	AP7752J
100/120 V	1	15 A	NEMA 5-15P	(8) 5-15	2.4 m	AP7750A
120 V	1	20 A	NEMA L5-20P	(10) 5-20	2.4 m	AP7752
120 V	2	30 A	NEMA L5-30P	(16) 5-20	2.4 m	AP7753
200 – 208 V	1	20 A	NEMA L6-20P	(8) C13, (1) C19	2.4 m	AP7730
200 – 208 V	2	30 A	NEMA L6-30P	(16) C13, (2) C19	2.4 m	AP7732
208 V	2	30 A	NEMA L6-30P	(1) L6-30R	2.4 m	AP7731
208/230 V	1	15 A	IEC C14 Inlet	(12) C13	None	AP7721
200-/230 V	1	20 A	IEC C20 Inlet	(8) C13, (1) C19	None	AP7723
230 V	1	16 A	(2) IEC 309	(1) IEC-309	0.9 m	AP7722A
230 V	2	32 A	IEC 309	(16) C13, (2) C19	2.4 m	AP7724
208 V 3ø	1	20 A, 3ø	NEMA L21-20P	(1) L21-20R	0.9 m	AP7701

Locking IEC Power Cords

PDU Input	Server Input	Cord Length	Cords per SKU	APC SKU
IEC C14 Straight	IEC C13	0.6 m	6	AP8702S
		1.2 m	6	AP8704S
		1.8 m	6	AP8706S
IEC C14 (Three right, three left)	IEC C13	0.6 m	6	AP8702R
		1.2 m	6	AP8704R
		1.8 m	6	AP8706R
IEC C20 Straight	IEC C19	0.6 m	6	AP8712S
		1.2 m	6	AP8714S
		1.8 m	6	AP8716S
IEC C20 (Three right, three left)	IEC C19	0.6 m	6	AP8712R
		1.2 m	6	AP8714R
		1.8 m	6	AP8716R



Locking IEC power cords provide a mechanism to secure power cord connections to the Rack PDU when used with any AP8000 Series unit.

Bracket Kits

Description	APC SKU
Vertical, 0U mounting brackets for Dell® and Rittal® enclosures	AP7400*
Vertical, 0U mounting brackets for HP® enclosures	AP7406*
NetShelter™ SX and third party racks, 0U accessory and PDU bracket	AR7711
Horizontal to Vertical, 0U mounting bracket for horizontal 1U Rack PDUs	AR8417

*Brackets for AP7000 series Rack PDUs only

Environmental

Description	Connector Type	Cord Length	APC SKU
Temp. sensor	RJ-45	3.9 m	AP9335T
Temp. and humidity sensor	RJ-45	3.9 m	AP9335TH

Note: Environmental sensors only compatible with AP8000 Series Rack PDUs. Each Rack PDU includes one environmental sensor port for an optional sensor.



KVM Switches

KVM Switches with CAT-5 Type Connection	APC SKU
32-port Digital Enterprise IP KVM with Virtual Media, two remote users	KVM2132P
16-port Digital Enterprise IP KVM with Virtual Media, two remote users	KVM2116P
16-port Digital IP KVM with Virtual Media one remote user	KVM1116P
16-port Analog Enterprise KVM with Virtual Media, two local users	KVM0216A
16-port Analog KVM, one local user	KVM0116A
8-port Analog KVM, one local user	KVM0108A
KVM USB Server Module	KVM-USB
KVM PS/2 Server Module	KVM-PS2
KVM USB Server Module with Virtual Media	KVM-USBVM
KVM PS/2 Server Module with Virtual Media	KVM-PS2VM
KVM USB Server Module with Virtual Media and CAC Support	KVM-USBVMCAC
KVM Serial Server Module	KVM-SERIAL
KVM to APC Rack PDU Power Management Cable	AP5641
KVM 1U Bracket for rear mount behind Rack LCD Console	KVM-LCDMOUNT
KVM Access Software License Upgrade to Enterprise (1,024 Nodes)	SEKVM1024N



Rear view of AP5202

KVM Switches with Coaxial Type Connection	APC SKU
8-port analog KVM	AP5201
16-port analog KVM	AP5202

Cables for Coaxial Type Connection	0.6 m	0.9 m	0.5 m	3.7 m	7.6 m
KVM USB cable			AP5253	AP5257	AP5261
KVM PS/2 cable		AP5264	AP5250	AP5254	AP5258
KVM Daisy-chain cable	AP5262		AP5263		

Rack LCD Consoles

Rack LCD Consoles	APC SKU
17" Rack LCD console	AP5717
19" Rack LCD console	AP5719

- > Ultra-thin 17" or 19" LCD monitor
- > Integrated keyboard with number pad
- > USB port for external media
- > Space saving 1U design
- > Touchpad mouse
- > Easy to install
- > Localized keyboard versions available; check www.apc.com for availability



Rack LCD Console with Integrated KVM Switch	Cable Length	APC SKU
17" Rack LCD console with integrated 8-port KVM Switch	1.8 m	AP5808
17" Rack LCD console with integrated 16-port KVM Switch	1.8 m	AP5816
KVM USB cable	1.8 m	AP5821
KVM USB cable	3.0 m	AP5822
KVM USB cable	5.2 m	AP5823


































* KVM PS/2 cables available, see cables for coaxial type connection on page 20.



Rear view of AP5816

The functionality of a Rack LCD console and an analog KVM switch in one convenient package optimizes U-space in the rack environment and eliminates cable clutter. Daisy-chain with AP5201 or AP5202 for additional ports.

Receptacle and Plug Types

Voltage	Amps	Typical Rating	# Wires	Plug Name	Mating Connector
100 – 120 V	15 A	1.4 kW	3	NEMA 5-15P 	NEMA 5-15R 
	20 A	1.9 kW	3	NEMA 5-20P 	NEMA 5-20R 
	20 A	1.9 kW	3	NEMA L5-20P 	NEMA L5-20R 
	30 A	2.9 kW	3	NEMA L5-30P 	NEMA L5-30R 
200 – 240 V	15 A	2.5 kW	3	IEC C14 	IEC C13 
	16 A	3.7 kW	3	IEC 309 16 A, 2P, 3W 	IEC 309 16 A, 2P, 3 
	20 A	3.3 kW	3	IEC C20 	IEC C19 
	20 A	3.3 kW	3	NEMA L6-20P 	NEMA L6-20R 
	30 A	5.0 kW	3	NEMA L6-30P 	NEMA L6-30R 
	32 A	7.4 kW	3	IEC 309 32 A, 2P, 3W 	IEC 309 32 A, 2P, 3W 
	208 V Three-phase	20 A	5.8 kW	5	NEMA L21-20P 
30 A		8.7 kW	5	NEMA L21-30P 	NEMA L21-30R 
50 A		12.5 – 14.4 kW	4	CS8365C 	CS8364C, CS8369 
60 A		16.2 – 17.3 kW	4	IEC 309 60 A, 3P, 4W 	IEC 309 60 A, 3P, 4W 
400 – 415 V Three-phase	16/20 A	11 kW	5	IEC 309 16/20 A, 3P, 5W 	IEC 309 16/20 A, 3P, 5W 
	32 A	22 kW	5	IEC 309 32 A, 3P, 5W 	IEC 309 32 A, 3P, 5W 
	40 A	23 kW	5	IEC 309 60 A, 3P, 5W 	IEC 309 60 A, 3P, 5W 



Extended Warranties*

APC by Schneider Electric offers extended warranties that provide a continuation of coverage beyond the original factory warranty period. This service extends the security and protection provided by your factory warranty and ensures that your product will be repaired or replaced if necessary, at no additional charge. Extended warranties are available for purchase in one year increments.

This service is available for all Rack PDUs, Rack ATs, Rack LCD consoles, and KVM switches, and includes:

- > Technical support from product-specific support engineers to assist with questions or concerns
- > Cross shipment of parts or replacement product – no waiting for your critical equipment

Add an extended warranty to your shopping cart on www.apc.com for new purchases or purchase an extended warranty for your existing product.

*Check with your local sales representative for extended warranty services available

