APC™

Easy UPS On-Line 120V

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.

That's Certainty in a Connected World.

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APC Easy UPS On-Line standard features and applications

Easy UPS On-Line 1000-3000VA

Tower Models
Built-in batteries for Plug-and-Play will provide a standard battery backup power for the connected equipment suitable for compact installations where floor or desk mount is required.

Rackmount Models
Built-in batteries for Plug-and-Play will provide a standard battery backup power for the connected equipment suitable for standard 19-inch rack installation which occupies only 2U rack space.

Standard Features

True online double-conversion
Ensures clean, reliable power supply to essential loads from brownouts, line noise, voltage transients and power outages.

High Power Factor
Output power factor up to 0.8
Powers more servers than similar UPSs with equivalent VA ratings with lower power factors.

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 88-90% efficiency in online double conversion mode and 93 - 94% 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.

Wide Input Voltage Range
1-3kVA - 55-150VAC, 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.

Typical applications

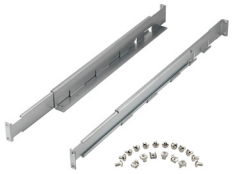
- Small data centers and computer rooms
- Manufacturing facilities
- Telecommunication
- Healthcare IT
- Network Storage Devices

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.



Rail kit: SRVRK1

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 %load (minutes)

Load%	SRV1KA SRV1KRA(RK)	SRV2KA SRV2KRA(RK)	SRV3KA SRV3KRA(RK)
100%	4	4	4
75%	6	6.5	7
50%	11	12	13
25%	24	26	30

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.

Standard Tower Models

SKU technical specifications

Product feature	SRV1KA	SRV2KA	SRV3KA
Power rating (VA/Watt)	1000VA/800W	2000VA/1600W	3000VA/2400W
Input			
Nominal input voltage	120V		
Input voltage range at full load (half load)	85 – 150 V (55 - 150 V)		
Input frequency	40-70 Hz auto-selecting		
Input connection	NEMA 5-15P	NEMA 5-20P	Hardwire
Output			
Nominal output voltage	120V (110V, 115V user selectable)		
Output frequency	50/60 Hz ± 3 Hz (On Mains) 50/60 Hz ± 0.5 Hz (On Battery)		
Topology	Double-conversion online		
Waveform type	Pure sinewave		
Effciency: Double conversion mode (typical)	Upto 88%		Upto 90%
Efficiency: ECO mode (typical)	Upto 94%		
Output connections	(4) NEMA 5-15R	(4) NEMA 5-20R	(4) NEMA 5-20R, (1) NEMA L5-30R
Battery and Runtime*			
Battery type	Maintenance free sealed lead-acid battery with suspended electrolyte, leak proof		
Battery capacity	12V 9Ah x 2	12V 9Ah x 4	12V 9Ah x 6
Battery voltage	24V	48V	72V
Typical recharge time	4 hours to recover 90% of capacity		
Runtime at half load (mins)	11	12	13
Runtime at full load (mins)	4	4	4
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		
Physical			
Dimensions W x H x D (mm)	145 x 223 x 288	145 x 238 x 400	190 x 336 x 425
Net weight (kg)	9.6	17	26
Color	RAL7010		
Environment			
Operating temperature	0°C to 40°C		
Relative humidity	0 to 95% non-condensing		
Operating elevation	0 to 1,000m at100% load		
Audible noise at 1m from unit	Less than 50dB		
Protection class	IP 20		
Conformance			
Regulatory approvals	BSMI, CSA C22.2 No 107.3, FCC part 15 class A, UL 1778		
Standard warranty	2 years repair or replace		

All specifications are subject to change without prior notice.
* 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

Standard Rack Models

SKU technical specifications

Product feature	SRV1KRA SRV1KRARK	SRV2KRA SRV2KRARK	SRV3KRA SRV3KRARK
Power rating (VA/Watt)	1000VA/800W	2000VA/1600W	3000VA/2400W
Input			
Nominal input voltage	120V		
Input voltage range at full load (half load)	85 – 150 V (55 - 150 V)		
Input frequency	40-70 Hz auto-selecting		
Input connection	NEMA 5-15P	NEMA 5-20P	NEMA L5-30P
Output			
Nominal output voltage	120V (110V, 115V user selectable)		
Output frequency	50/60 Hz ± 3 Hz (On Mains) 50/60 Hz ± 0.5 Hz (On Battery)		
Topology	Double-conversion online		
Waveform type	Pure sinewave		
Effciency: Double conversion mode (typical)	Upto 88%		Upto 90%
Efficiency: ECO mode (typical)	Upto 94%		
Output connections	(4) NEMA 5-15R	(4) NEMA 5-20R	(4) NEMA 5-20R, (1) NEMA L5-30R
Battery and Runtime*			
Battery type	Maintenance free sealed lead-acid battery with suspended electrolyte, leak proof		
Battery capacity	12V 9Ah x 2	12V 9Ah x 4	12V 9Ah x 6
Battery voltage	24V	48V	72V
Typical recharge time	4 hours to recover 90% of capacity		
Runtime at half load (mins)	11	12	13
Runtime at full load (mins)	4	4	4
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		
Physical			
Rack height (U)	2U		
Dimensions W x H x D (mm)	438 x 86 x 312	438 x 86 x 462	438 x 86 x 632
Net weight (kg)	11	18.2	27.6
Color	RAL7010		
Environment			
Operating temperature	0°C to 40°C		
Relative humidity	0 to 95% non-condensing		
Operating elevation	0 to 1,000m at100% load		
Audible noise at 1m from unit	Less than 50dB		
Protection class	IP 20		
Conformance			
Regulatory approvals	BSMI, CSA C22.2 No 107.3, FCC part 15 class A, UL 1778		
Standard warranty	2 years repair or replace		

All specifications are subject to change without prior notice.
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