



APC™

Easy UPS On-Line 230V

Product Brochure

For IT professionals in small to medium businesses, APC™ Easy UPS On-Line provides core power protection, ensuring consistent and seamless connectivity at critical moments.

APC Easy UPS On-Line accommodates a wide input voltage range and unstable power conditions and provides clean power for critical and sensitive devices.

Delivering quality power to millions of IT professionals worldwide

-That's the Certainty in a Connected World.



apc.com

Life Is On

Schneider
Electric

Easy UPS On-Line for critical applications

Easy UPS On-Line 15-20KVA

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

True on-line double-conversion

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

High Power Factor

Unity power factor VA=Watt 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 95% 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 functionality provides peace of mind. In an unlikely event of a detected fault or error, your product will be repaired or replaced.

Wide Input Voltage Range

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.

1:1, 3:1 input hard-wire options

Product can be wired for 3-PH or 1-PH input.

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: SRV120RLBP2-9A

Battery packs

- **SRV120RLBP2-9A:** External battery pack for 15kVA and 20kVA extended run UPS



Rail kit: SRVRK2

Rail kit

- **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 various load % (minutes)

UPS	Number of External Battery packs	Runtime in Min /Load %			
		25%	50%	75%	100%
SRV15KRILRK	(2) Battery packs (default)	37	15	8	4.7
	(3) Battery packs	60	26	15	10
	(4) Battery packs	86	37	22	15
	(5) Battery packs	112	48	29	20
	(6) Battery packs	141	61	37	26
	(7) Battery packs	169	73	44.5	31
	(8) Battery packs	198	86	52.5	37
	(9) Battery packs	227.5	99.5	60.5	42.5
	(10) Battery packs	257	113	69	48.5
SRV20KRILRK	(2) Battery packs (default)	23	8.9	4.7	2.5
	(3) Battery packs	42	18	10	6
	(4) Battery packs	61	25	15	9.5
	(5) Battery packs	79	34	20	14
	(6) Battery packs	100	43	26	18
	(7) Battery packs	120	51	31	21.5
	(8) Battery packs	141	61	37	26
	(9) Battery packs	162	70	42.5	29.7
	(10) Battery packs	184	80	48.5	34

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.

Extended Run Models

SKU technical specifications

Product feature	SRV15KRILRK	SRV20KRILRK
Power rating (VA/Watt)	15000VA/15000W	20000VA/20000W
Input		
Nominal input voltage	230V (PH-N) / 400V (PH-PH) (default)	
Input voltage range at full load (half load)	176 - 300 / 305 - 520 V (110 - 176 / 190 - 476 V)	
Input frequency	40-70 Hz auto-selecting	
Input connection	(1) Hardwire three wire (1 PH+N+G) / (1) Hardwire five-wire (3 PH+N+G)	
Output		
Nominal output voltage	230V (220V, 240V user selectable)	
Output frequency	50/60 Hz \pm 3 Hz (On Mains) or 50/60 Hz \pm 0.1 Hz (On Battery)	
Topology	Double-conversion online	
Waveform type	Pure sinewave	
Efficiency: Double conversion mode (typical)	Up to 95%	
Efficiency: ECO mode (typical)	Up to 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	2 x 20 x 12V 9Ah	
Battery voltage	\pm 120V	
External battery pack	2 x SRV120RLBP2-9A	
Typical recharge time	6 hours to recover 90% of capacity	
Runtime at half load (mins)	15	8.9
Runtime at full load (mins)	4.7	2.5
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)	9U	
Dimensions W x H x D (mm) (power module)	438 x 131 x 689	
Dimensions W x H x D (mm) (battery pack)	438 x 131 x 686	
Net weight (kg) (power module)	29	
Net weight (kg) (battery pack)	128	
Color	RAL7010	
Environment		
Operating temperature	0°C to 40°C	
Relative humidity	0 to 95% non-condensing	
Operating elevation	0 to 1,000m at 100% load	
Audible noise at 1m from unit	Less than 60dB	
Protection class	IP20	
Conformance		
Regulatory approvals	CE, 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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Life Is On



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