



Easy UPS On-Line 230V for India

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 at the most critical moments.

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.

apc.com



Life Is On



APC Easy UPS On-Line for critical applications

Easy UPS On-Line 1000-20000VA

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.

UXI Models

UXI series has the capability to add 3rd party external batteries to get longer runtime, providing flexibility when selecting batteries.

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

0.8 PF for 3kVA and below
Unity power factor VA=Watt for 5kVA and above. 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 88-94% efficiency in online double conversion mode and 95 - 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.

Wide Input Voltage Range

1-3kVA - 120-280VAC, 5 - 20kVA - 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)

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

Product can be wired for 3-PH or 1-PH input (10 kVA, 15kVA and 20kVA UXI models only).

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: SRV72RBP-9A

Battery packs

- **SRV72RBP-9A/SRV72RBP-INX:** External battery pack for 2kVA and 3kVA extended run UPS
- **SRV240RBP-9A/SRV240RBP-INX:** 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



Parallel kit: SRVPK001

Parallel kit

- **SRVPK001:** Parallel kit for 5, 6 and 10kVA extended run models to connect up to 3 UPSs in parallel for capacity addition.

Runtime estimates at half and full load for extended run time models (minutes)

Number of Battery Packs	SRV2KRIL-IN	SRV3KRIL-IN SRV3KRIL-INX	SRV5KRIL-IN	SRV6KRIL-IN SRV6KRIL-INX	SRV10KRIL-IN
UPS at half/full loads	800/1600	1200/2400	2500/5000	3000/6000	5000/10000
(1) Battery pack (default)	48/22	28/13	21/8	16/6	8/2
(2) Battery packs	141/52	74/30	49/21	39/16	21/8
(3) Battery packs	190/86	116/54	80/34	64/27	34/14
(4) Battery packs	244/117	144/65	113/48	90/39	48/21

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 Models

SKU technical specifications

Product feature	SRV1KL-IN SRV1KL-INX	SRV2KL-IN	SRV3KL-IN
Power rating (VA/Watt)	1000VA/800W	2000VA/1600W	3000VA/2400W
Input			
Nominal input voltage	230V		
Input voltage range at full load (half load)	160 – 280 V (110-280 V)		
Input frequency	40-70 Hz auto-selecting		
Input connection	IEC 60320 C14	IEC 60320 C20	
Output			
Nominal output voltage	230V (220V, 240V user selectable)		
Output frequency	50/60 Hz ± 3 Hz (On Mains) 50/60 Hz ± 0.1 Hz (On Battery)		
Topology	Double-conversion online		
Waveform type	Pure sinewave		
Efficiency: Double conversion mode (typical)	Upto 88%		Upto 90%
Efficiency: ECO mode (typical)	Upto 95%		
Output connections	(4) India socket	(4) India socket (1) Hardwire (1 PH+N+G)	
Battery and Runtime*			
Battery type	Sealed maintenance free valve regulated lead acid battery (leak proof)		
Battery capacity	3 x 12V 7Ah	4 x 12V 9Ah	6 x 12V 9Ah
Battery voltage	36V	48V	72V
Typical recharge time	4 hours to recover 90% of capacity		
Runtime at half load (mins)	12	10	11
Runtime at full load (mins)	4	2	3
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)	2U		
Dimensions W x H x D (mm)	438 x 86.2 x 412.2	438 x 88 x 462	438 x 88 x 632
Net weight (kg)	13.6	19	28
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 50dB		
Protection class	IP 20		
Conformance			
Regulatory approvals	BIS		
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

Extended Run Models

SKU technical specifications

Product feature	SRV2KRIL-IN	SRV3KRIL-IN SRV3KRIL-INX	SRV5KRIL-IN	SRV6KRIL-IN SRV6KRIL-INX	SRV10KRIL-IN
Power rating (VA/Watt)	2000VA/1600W	3000VA/2400W	5000VA/5000W	6000VA/6000W	10000VA/10000W
Input					
Nominal input voltage	230V				
Input voltage range at full load (half load)	160 - 280 V (110 - 280 V)		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	230V (220V, 240V 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 88%	Upto 90%	Upto 93%		
Efficiency: ECO mode (typical)	Upto 95%		Upto 97%		
Output connections	(3) India socket (1) Hardwire (1 PH+N+G)		(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 6 x 12V, 9Ah		1 x 20 x 12V, 9Ah		
Battery voltage	72V		240V		
External battery pack	SRV72RBP-9A		SRV240RBP-9A		
Typical recharge time	4 hours to recover 90% of capacity				
Runtime at half load (mins)	47	29	24	18	8
Runtime at full load (mins)	19	10	8	6	2
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 x 462		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)	9.3	10.1	15		16
Net weight (kg) (battery pack)	40		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 50dB		Less than 60dB		
Protection class	IP20				
Conformance					
Regulatory approvals	BIS				
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.

UXI Models

SKU technical specifications

Product feature	SRV1KUXI-IN SRV1KUXI-INX	SRV2KUXI-IN	SRV3KUXI-IN SRV3KUXI-INX	SRV5KUXI-IN	SRV6KUXI-IN
Power rating (VA/Watt)	1000VA/800W	2000VA/1600W	3000VA/2400W	5000VA/5000W	6000VA/6000W
Input					
Nominal input voltage	230V				
Input voltage range at full load (half load)	160 – 280 V (110 - 285 V)			176 – 300 V (110 - 300 V)	
Input frequency	40-70 Hz auto-selecting				
Input connection	IEC 60320 C14	(1) Hardwire three wire (1 PH+N+G)			
Output					
Nominal output voltage	230V (220V, 240V user selectable)				
Output frequency	50/60 Hz ± 3 Hz (On Mains) 50/60 Hz ± 0.1 Hz (On Battery)				
Topology	Double-conversion online				
Waveform type	Pure sinewave				
Efficiency: Double conversion mode(typical)	Upto 88%		Upto 90%		Upto 94%
Efficiency: ECO mode(typical)	Upto 95%			Upto 97%	
Output connections	(4) India socket	(3) India socket (1) Hardwire three wire (1 PH+N+G)		(1) Hardwire three wire (1 PH+N+G)	
Battery					
Battery type	No internal battery - uses external battery				
Battery charger capacity	1-8A (selectable)				
Battery Voltage	24V	72V		192 - 240V(selectable)	
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)	2U				
Dimensions W x H x D (mm)	438 x 86.2 x 332	438 x 86.2 x 462.2		438 x 86.5 x 615	
Net weight (kg)	7.2	9.8	10.1	15	
Color	RAL7010				
Environment					
Operating temperature	0°C to 40°C				
Relative humidity	0 to 95% non-condensing				
Operating elevation	0 to 2,000m at100% load			0 to 1,000m at100% load	
Audible noise at 1m from unit	Less than 50dB			Less than 60dB	
Protection class	IP20				
Conformance					
Regulatory approvals	BIS				
Standard warranty	2 years repair or replace				

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UXI Models

SKU technical specifications

Product feature	SRV10KUXI-IN SRV10KUXI-INX	SRV15KUXI-IN	SRV20KUXI-IN
Power rating (VA/Watt)	10000VA/10000W	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	230 V (220 V, 240 V 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)	Upto 94%		
Efficiency: ECO mode(typical)	Upto 97%		
Output connections	(1) Hardwire three wire (1 PH+N+G)		
Battery			
Battery type	No internal battery - uses external battery		
Battery charger capacity	3-13A (Selectable)		
Battery Voltage	\pm 96 ¹ - 120V (selectable)		
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)	3U		
Dimensions W x H x D (mm)	130.6 x 438 x 689.4		
Net weight (kg)	25	29	29
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	BIS	CE,IEC 62040-1,IEC 62040-2	
Standard warranty	2 years repair or replace		

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¹ Power derates to 80% of total capacity.

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