

SKU technical specifications

APC Easy UPS On-Line, SRV Series, with Inbuilt Battery 1kva to 10KVVA Rack mount 5U, 230V, Hard wire 3 wire(1P+N+E) outlet, Intelligent Card Slot, LCD, Extended Runtime, W/O rail kit



PS On-Line Accessories

1. Management cards
2. Battery packs
3. Rail kits
4. Parallel kit

Key Features

- I. Convenience
- II. Manageability
- III. Protection
- IV. Compatibility
- V. Energy Management
- VI. Enhanced Security
- VII. Enhanced Performance
- VIII. Enhanced User Experience and Troubleshooting

Applications

1. **Standard Models** : Built-in batteries
2. **Extended-Run Models** : Add external battery packs to scale runtime minutes to hours, for mixed load applications.
3. **UXI Models** : capability to add third-party external batteries to get longer runtime, providing flexibility when selecting batteries.

Standard Features

- **True on-line double-conversion** : Ensures clean, reliable power supply to essential loads from brownouts
- **High Power Factor** : 0.8 PF for 3000 VA and below Unity power factor
- **Built-in Automatic Bypass** : Ensures seamless power to the load
- **High Efficiency** : Up to 88 – 94% efficiency in on-line 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,
- **Wide Input Voltage Range** : 1000 – 3000 VA/110 – 285 Vac, 5000 – 20,000 VA/ 110 – 300 Vac, 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.
- **Generator Compatible** : Generator-compatible with a wide Input Frequency range (40 – 70 Hz) ensures clean, uninterrupted power to the loads during power outage.
- **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).
- **input hard-wire options** : Product can be wired for 3-PH or 1-PH input (10,000 VA, 15,000 VA and 20,000 VA UXI models only).

Product feature	SRV2KRIL-IN	SRV3KRIL-INX	SRV5KRIL-IN	SRV6KRIL-IN SRV6KRIL-INX	SRV10KRIL-IN
Power rating	2000 VA/1600 W	3000 VA/2400W	5000 VA/5000 W	6000 VA/6000 W	10,000 VA/10,000 W
Input					
Nominal input voltage			230 V		
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) Hard wire 3-wire (1P+N+G)				
Output					
Nominal output voltage	230 V (220 V, 240 V user selectable)				
Output frequency	50/60 Hz ± 3 Hz (On Mains) or 50/60 Hz ± 0.5% (On Battery)				
Topology	Double-conversion on-line				
Waveform type	Pure sine wave				
Efficiency: Double-conversion mode (typical)	Upto 88%	Upto 90%	Upto 94%		
Efficiency: ECO mode (typical)	Upto 95%		Upto 97%		
Output connections	(3) India socket (1) Hard wire 3-wire (1P+N+G)		(1) Hard wire 3-wire (1P+N+G)		
Battery and Runtime*					
Battery type	Sealed maintenance free valve regulated lead acid battery, leak proof				
Battery capacity	2 strings of 12 V 9 Ah (6)		1 string of 12 V 9 Ah (20)		
Battery voltage	72 V		240 V		
External battery pack	SRV72RBP-9A		SRV240RBP-9A		
Typical recharge time	4 hours to recover 90% of capacity				
Runtime at half load (min)	47	29	24	18	8
Runtime at full load (min)	19	10	8	6	2
Communications and management					
Interface ports	Serial RS-232, USB (Type B), Intelligent 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	RAL 7010				
Environment					
Operating temperature	0 to 40 °C				
Relative humidity	0 to 95% non-condensing				
Operating elevation	0 to 2,000 m at 100% load				
Audible noise at 1 m from unit	Less than 50 dBA		Less than 60 dBA		
International protection code	IP20				
Conformance					
Regulatory approvals	BIS				
Standard warranty	2 years repair or replace				

Product feature	SRV2KRIL-IN	SRV3KRIL-IN SRV3KRIL-INX	SRV5KRIL-IN	SRV6KRIL-IN SRV6KRIL-INX	SRV10KRIL-IN
Power rating	2000 VA/1600 W	3000 VA/2400W	5000 VA/5000 W	6000 VA/6000 W	10,000 VA/10,000 W
Input					
Nominal input voltage			230 V		
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) Hard wire 3-wire (1P+N+G)				
Output					
Nominal output voltage	230 V (220 V, 240 V user selectable)				
Output frequency	50/60 Hz ± 3 Hz (On Mains) or 50/60 Hz ± 0.5% (On Battery)				
Topology	Double-conversion on-line				
Waveform type	Pure sine wave				
Efficiency: Double-conversion mode (typical)	Upto 88%	Upto 90%	Upto 94%		
Efficiency: ECO mode (typical)	Upto 95%		Upto 97%		
Output connections	(3) India socket (1) Hard wire 3-wire (1P+N+G)		(1) Hard wire 3-wire (1P+N+G)		
Battery and Runtime*					
Battery type	Sealed maintenance free valve regulated lead acid battery, leak proof				
Battery capacity	2 strings of 12 V 9 Ah (6)		1 string of 12 V 9 Ah (20)		
Battery voltage	72 V		240 V		
External battery pack	SRV72RBP-9A		SRV240RBP-9A		
Typical recharge time	4 hours to recover 90% of capacity				
Runtime at half load (min)	47	29	24	18	8
Runtime at full load (min)	19	10	8	6	2
Communications and management					
Interface ports	Serial RS-232, USB (Type B), Intelligent 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	RAL 7010				
Environment					
Operating temperature	0 to 40 °C				
Relative humidity	0 to 95% non-condensing				
Operating elevation	0 to 2,000 m at 100% load				
Audible noise at 1 m from unit	Less than 50 dBA		Less than 60 dBA		
International protection code	IP20				
Conformance					
Regulatory approvals	BIS				
Standard warranty	2 years repair or replace				

Nishant Power Solutions Pvt. Ltd.

55-54 4B, High Street Corporate Centre, Kapurbawadi ,
Thane (W) MS India 400601 Tel : +91 22 25404025 /
Cell 9820843000

Email : sales@upsbatteries.co.in Visit at :

www.upsbatteries.co.in

Life Is On  Schneider
Electric