Technical Specifications

Smart-UPS On-line

High-density, double-conversion online power protection with scalable runtime

UPS VA	SRC1000	SRC2000	SRC3000	SRC5000	SRC6000	SRC8000	SRC10000
Output							
Topology	Double Conversion Online						
Nominal Output Voltage	230 V (Configurable for 220 : 230 or 240 nominal output voltage)						
Efficiency at Full Load	89%			90%			
Output Frequency (sync to mains)	47 - 63 Hz						
Output Power Capacity	700 W	1 400 W	2 100 W	3 500 W	4 800 W	6 400 W	8 000 W
Output Connections	(1) Hard Wire 3-wire (H N + G) (8) IEC 320 C13 (ICH (4) CHINA RA-03)			(1) Hard Wire 3-wire (H N + G)			
Input							
Nominal Input Voltage	230V						
Input Frequency	45 - 65 Hz (auto sensing)						
Input Connections	(1) IEC 320 C20 (UXICH and UXI Hard Wire 3-wire (H N + G)			(1) Hard Wire 3-wire (H N + G)			
Bypass	Internal Bypass (Automatic)						
Battery							
Battery Type	Maintenance-free sealed lead-acid battery with suspended electrolyte : leakproof (UXI models - No Battery)						
Charging Current	1.5A (UXI 2.3A)	1.5A (UXI 5.4)	2.3A (UXI 5.4)	4A (UXI 8A)			
Nominal DC Voltage	96VDC			192VDC		240VDC	
Replacement Battery	APCRBC121		APCRBC120	SRC192XLBP		SRC240XLBP1	SRC240XLBP2
Runtime	Runtimes vary with load. See chart on the previous page.						
Communications and Management							
Interface Port(s)	DB-9 RS-232,SmartSlot						
Emergency Power Off (EPO)	Yes						
Control panel	LED Status Display			LCD Display			
Physical							
Maximum Height (Tower)	434 mm			440 mm			
Maximum Height (Rack)	4U			4U (UXI models - 2U)		6U (UXI models - 3U)	
Maximum Width	175 mm			219 mm		262 mm	
Maximum Depth	457 mm			663 mm			
Maximum Weight	UXI 13.70 kg XLI 26.20 kg	UXI 14.60 kg XLI 26.20 kg	UXI 15 kg XLI 34 kg	UXI 16.2 kg XLI 60.5 kg	UXI 17 kg XLI 61 kg	UXI 22 kg XLI 77kg	UXI 22 kg XLI 86 kg

A versatile UPS developed for the harshest power conditions in the world

Smart-UPS™ On-line provides high-density, true, double conversion, online power protection for servers, voice/data networks, medical labs, and light industrial applications. It's capable of supporting loads from 1 to 10 kVA in a rack/tower convertible form. When business-critical systems require runtime in hours, not minutes, Smart-UPS On-line can be configured with matching battery packs to comply with aggressive runtime demands. The included PowerChute™ management software provides unattended graceful shutdown of network operating systems. The entire Smart-UPS On-line family provides value to customers with demanding power environments, including very wide input voltage window, extremely tight output voltage regulation, frequency regulation, internal bypass, and input power factor correction.

APC™

by Schneider Electric

Features and Benefits

Smart-UPS On-line

Availability

Automatic internal bypass Supplies utility power to the connected loads in the event of a UPS overload condition or fault.

Scalable runtime Allows additional runtime to be quickly added as needed.

Intelligent battery management Maximizes battery performance, life, and reliability through intelligent, precision charging.

Hot-swappable batteries Ensures clean, uninterrupted power to protected equipment while batteries are being replaced

Automatic restart of loads after UPS shutdown Automatically starts up the connected equipment upon the return of utility power.

Temperature-compensated battery charging Prolongs battery life by regulating the charge voltage according to battery temperature.

Manageability

Network manageable Provides remote management of the UPS over the network.

InfraStruxure™ Manager Compatible Enables centralized management via the APC™ InfraStruxure Manager.

SmartSlot™ Customize UPS capabilities with management cards.

LED status indicators Quickly understand unit and power status with visual indicators.

Serial Connectivity Provides management of the UPS via a serial port.

Adaptability

Plug-and-play external batteries Ensures clean, uninterrupted power to the loads when adding extra runtime to the UPS.

Rack/tower convertible Protects the initial investment in the UPS when migrating from tower to rackmount environment.

Flash upgradeable firmware Install maintenance releases of firmware remotely using FTP.

Serviceability

User-replaceable batteries Increases availability by allowing a trained user to perform upgrades and replacements of the batteries reducing mean time to repair.

Automatic self test Periodic battery self test ensures early detection of a battery that needs to be replaced.

Predicitive failure notification Provides early warning fault analysis ensuring proactive component replacement.

Disconnected battery notification Warns when a battery is not available to provide backup power.

Audible alarms Provides notification of changing utility power and UPS conditions.

Protection

Frequency and voltage regulation Gives higher application availability by correcting poor frequency and voltage conditions without using the battery.

Power conditioning Protects connected loads from surges, spikes, lightning, and other power disturbances.

Input power factor correction Minimizes installation costs by enabling the use of smaller generators and cabling.

Generator compatible Ensures clean, uninterrupted power to protected equipment when generator power is used.

Cold-start capable Provides temporary battery power when the utility power is out.

Resettable circuit breaker Easy recovery from overloads; no need to replace a fuse.

Safety agency approved Ensures the product has been tested and approved to work safely with the connected service provider equipment and within the specified environment.

Product Accessories

Management Cards
#AP9610: Relay I/O SmartSlot Card

#AP9630:UPS Network Management Card

#AP9631: UPS Network Management Card with Environmental Monitoring

Transformers
#APTF10KW01: APC WW 10 KVA Isolation Transformer

Other
#SURT013: SURT Equipment Cart

Rail Kits
#SURTRK5: Smart-UPS RT 19" Rail Kit for Smart-UPS RC 1/2/3 kVA

#SURTRK6: Smart-UPS RC 19" Rail Kit for 5,6,8,10 KVA; (2) rail sets

Battery Accessories
#SRC003: Smart-UPS RC 600 W 96 VDC Internal Battery Charger

#SRC003-CC: Smart-UPS RC 600 W 96 VDC Internal Battery Charger Harsh Environment

#SRC004: Smart-UPS RC 96 VDC Battery String

#SRC005: SRC Battery Cable

Battery Packs
#SRC96XLBP: Smart-UPS RC 96 V Battery Pack

#SRC96XLBP2S: Smart-UPS RC 96 V Battery Pack with 2 Battery Strings

#SRC192XLBP: Smart-UPS RC 192 V International Battery Pack

#SRC240XLBP1: Smart-UPS RC 240 V 8 KVA International Battery Pack

#SRC240XLBP2: Smart-UPS RC 240 V 10 KVA International Battery Pack

Paralleling Kits
#SRCPK001: Smart-UPS RC Paralleling Kit for 5 and 6 KVA

#SRCPK002: Smart-UPS RC Paralleling Kit for 8 and 10 KVA

Service Bypass Panels
#SRCSBP10KHW: Smart-UPS RC Service Bypass Panel; 230 V; 65 A; Hardwire Input and Output

#SRCSBP10KI: Smart-UPS RC Service Bypass Panel; 230 V; 85 A; Hardwire Input; Output - (4) C19 (4) C13

#SRCSBP10KICH: Smart-UPS RC Service Bypass Panel; 230 V; 85 A; Hardwire Input; Output - (4) C19 (4) CCC

Runtime Estimates at Half and Full Load (minutes)

UPS VA	SRC1000	SRC2000	SRC3000	SRC5000	SRC6000	SRC8000	SRC10000
Internal	32/13	14/5	11/5	18/6	9/4	15/5	15/5
(1) Battery Pack	222/83	94/36	75/30	61/27	26/9	40/15	40/15
(2) Battery Pack	329/160	329/152	225/101	110/50	45/18	66/27	67/27
(3) Battery Pack	1 035/512	512/239	345/157	161/74	65/27	95/40	95/40
(4) Battery Pack	1 424/705	705/330	471/215	213/99	85/36	125/54	126/54