Smart-UPS On-Line SRC 230 V

Entry-level, double-conversion UPS for IT, telecom, and industrial professionals

A versatile UPS developed for unstable power conditions worldwide

The Smart-UPS™ On-Line SRC product range provides double-conversion power protection for servers, voice/data networks, and light industrial applications. The Smart-UPS On-Line SRC range is capable of supporting loads from 1 – 10 kVA in rack and tower form factors. Smart-UPS On-Line 3 – 10 kVA units can be configured with matching battery packs when business-critical systems require runtime in hours, not minutes.

The included PowerChute™ management software provides unattended graceful shutdown of network operating systems. An optional network management card can be added to models for remote management. Smart-UPS On-Line SRC products provide value to customers with demanding power conditions, including a very wide input voltage window, tight output voltage regulation, frequency regulation, internal bypass, and input power factor correction.

APC™
by Schneider Electric

Features and Benefits

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. (3 – 10 kVA models)

Intelligent battery management — Maximizes battery performance, life, and reliability through intelligent, precision, temperature-compensated.

Hot-swappable battery pack — Users can replace battery pack, reducing mean time to repair (3 – 10 kVA models).

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

Parallel redundancy — Two Units can be placed into a redundant configuration to improve availability (5 – 10 kVA only).

Manageability

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

StruxureWare Manager compatible — Enables centralized management via the APC™ by Schneider Electric StruxureWare™ Manager.

SmartSlot™ — Customize UPS capabilities with management cards.

Status indicators — Quickly determine unit and power status via visual indicators.

1 – 3 kVA models: LED display

5 – 10 kVA models: LCD display

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. (3 – 10 kVA models)

Rack/tower convertible — Protects the initial investment in the UPS when migrating from tower to rackmount environment. 1 and 2 kVA models are tower only.

Serviceability

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

Predictive 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.

Smart-UPS On-Line 1 – 3 kVA Technical Specifications

Product feature	SRC1000I	SRC2000I	SRC3000XLI
Output			
Power Rating	1000 VA/800 W	2000 VA/1600 W	3000 VA/2100 W
Nominal Output Voltage	230 V (Configurable for 220: 230 or 240 nominal output voltage)		
Topology	Double-conversion Online		
Output Frequency	45 – 65 Hz		
Online Efficiency at Full Load	88%	88%	89%
Output Connections	(4) IEC 320 C13	(6) IEC 320 C13	1 HW - 3 wire (H, N, & G) (8) IEC 320 C13
Input			
Nominal Input Voltage	230 V		
Input Frequency	45 – 65 Hz auto-sensing		
Input Connection	(1) IEC 320 C14 – 1 kVA, (1) IEC 320 C20 – 2 & 3 kVA		
Bypass	Internal Bypass (Automatic)		
Batteries and Runtime			
Battery Type	Maintenance-free sealed lead-acid battery		
Charging Current	90 W	90 W	250 W
Nominal DC Voltage	36 VDC	48 VDC	96 VDC
Replacement Battery	n/a		SRC004
Communication and Management			
Interface Ports	DB-9 RS-232, Smart Slot		
Control Panel	LED Display		
Emergency Power Off (EPO)	Yes		
Physical			
Rack Height	Tower Only: 480 x 166 x 327		4 U
Maximum Height (RM)	257 mm	327 mm	432 mm
Maximum Width (RM)	166 mm	166 mm	175 mm
Maximum Depth (RM)	420 mm	480 mm	475 mm
Net Weight	14.82 kg	22.5 kg	34 kg
Warranty	2 years		

Smart-UPS On-Line 5 – 10 kVA Technical Specifications

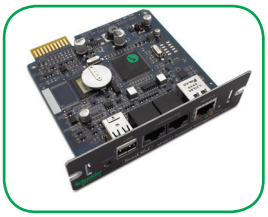
Product feature	SRC5000XLI	SRC6000XLI	SRC10000XLI
Output			
Power Rating	5000 VA/3500 W	6000 VA/4800 W	10000 VA/8000 W
Nominal Output Voltage	230 (default)/240 Vac singe-phase UPS		
Topology	Double-conversion Online		
Output Frequency	50/60 Hz 13 Hz; 50/60 Hz 10.1 Hz user selectable		
Online Efficiency at Full Load	90%		
ECO-mode	Yes		
Output Connections	Hardwire		
Parallel Redundancy	Optional		
Input			
Nominal Input Voltage	220/230 (default)/240 Vac singe-phase UPS		
Input Voltage Range	281 – 300 Vac (90% Load) 170 – 280 Vac (Full Load) 100 – 170 Vac (50 – 100% Load Linear)		
Input Frequency Range	40 – 70 Hz		
Input Power Factor	0.99		
Input Connection	Hardwire		
Bypass	Internal Bypass (Automatic)		
Batteries and Runtime			
Battery Type	Maintenance-free sealed lead-acid battery		
Charging Current	750 W		960 W
Nominal DC Voltage	192 VDC		240 VDC
Replacement Battery	SRC19XLBP2		SRC240XLBP3
Communication and Management			
Interface Ports	DB-9 RS-232, Smart Slot		
Control Panel	LCD Display		
Emergency Power Off (EPO)	Yes		
Physical – Rack / Tower Convertible			
Form Factor	2U UPS + 2U battery pack		3U UPS + 3U battery pack
Maximum Height	88.5 mm		131 mm
Maximum Width	440 mm		
Maximum Depth	670.5 mm		628 mm
Net Weight (w/o battery pack)	16.2 kg	17 kg	22 kg
Warranty	2 years		

Product Accessories

Management Cards

AP9630: UPS Network Management Card

AP9631: UPS Network Management Card with Environmental Monitoring



Management Card

Battery Packs

SRC96XLBP: APC Smart-UPS SRC 96V 3 kVA Battery Pack

SRC96XLBP2S: APC Smart-UPS SRC 96V 3 kVA Battery Pack with 2 Battery Strings

APCRBC120: Replacement Battery Strings for SRC3000XLI/SRC96XLBP/SRC96XLBP2S

SRC004: Optional Replacement Battery String for SRC96XLBP2S

SRC192XLBP2: APC Smart-UPS SRC 192 V 5 – 6 kVA Battery Pack

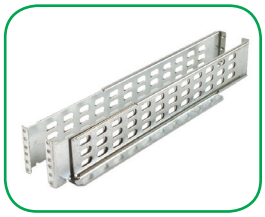
SRC240XLBP3: APC Smart-UPS SRC 240 V 10 kVA Battery Pack

Battery Pack

Rail Kits

SURTRK5: APC Smart-UPS SRC 19” Rail Kit for Smart-UPS SRC 3 kVA

SURTRK6: APC Smart-UPS SRC 19” Rail Kit for Smart UPS SRC 5 – 10 kVA



Rail Kits

Other Accessories

SRCSBP10KI: Maintenance Bypass; Hardwire input, (4)C19, (4)C13 output

SRCSBP10KHW: Maintenance Bypass; Hardwire input/output

SRCPK001: Parallel unit used for 5 and 6 kVA SRC SKUs

SRCPK002: Parallel unit used for 10 kVA SRC SKU

Other Accessories

Runtime Estimates at Half and Full Load (Minutes)

UPS Half/Full Loads	SRC1000I (400 W/800 W)	SRC2000I (800 W/1600 W)	SRC3000XLI (1050 W/2100 W)
Internal	13.6/5.2	15.4/4	15.4/5
(1) Battery pack	-	-	75/30
(2) Battery packs	-	-	225/101
(3) Battery packs	-	-	345/157
(4) Battery packs	-	-	471/215

UPS Half/Full Loads	SRC5000XLI (1750 W/3500 W)	SRC6000XLI (2400 W/4800 W)	SRC10000XLI (4000 W/8000 W)
Internal	13/5	9/3.5	13/5
(1) Battery pack	32/14	22/9	33/13
(2) Battery packs	52/23	36/16	55/23
(3) Battery packs	74/33	52/22	77/34
(4) Battery packs	96.5/44	68/30	101/45

Double Conversion Offers

APC markets two double conversion online offers for some countries in the Middle East and Africa.
The SRT is a feature-rich, best-in-class offer selected by most customers to protect critical infrastructure.
The SRC is a value-based offer with fewer features that is targeted for cost-sensitive applications.

Feature	SRC (5, 6, & 10 kVA)	SRT (5, 6, 8, & 10 kVA)
Power Factor	0.7-0.8	0.9–1.0
Efficiency	90%	93%
Eco Mode	5 – 10 kVA only	Yes
Switched Outlet Groups	No	Yes
Integral Network Management Card	No	Yes
Enhanced Smart Battery (Auto detect external battery packs and predictive battery replacement date)	No	Yes
3 Phase Input	No	8 & 10 kVA only
Dual Input	No	8 & 10 kVA only
Start Without Battery	No	Yes
Energy Meter	No	Yes
Electronics Warranty	2 years	3 years

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