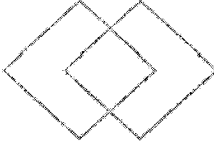


# PROPOSTA

Carteira Municipal do Paraná  
Fl. nº 242  
H 49857



# Ultra Licitações

**DADOS DA EMPRESA**  
Razão Social: Ultra Licitações Ltda  
CNPJ: 36.524.917/0001-32 - Inscrição Estadual: 260.450.650  
Email: licita@ultralicitacoes.com.br licita2@ultralicitacoes.com.br  
Dados Bancários: Banco do Brasil - Ag 0410-3 / CC 69543-2

## PROPOSTA - PREGÃO ELETRÔNICO N°08/2022

ITEM	DESCRIÇÃO DO PRODUTO	MARCA/MODELO	QUANTIDADE	VALOR UNI	VALOR TOTAL
1	nobreak 10 kva	apc srt 10kxlt	2	R\$33.095,00	R\$66.190,00

**VALOR TOTAL DA PROPOSTA R\$66.190,00**

Prazo de validade da proposta: 90 dias  
Prazo de garantia: 12 meses

Concórdia, 11 de abril de 2022

**JONATAN**  
**DEPARIS:04**  
**408003905**  
**JONATAN DEPARIS**  
Administrador

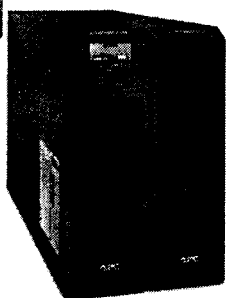
Assinado de forma digital por JONATAN DEPARIS:04408003905  
Dados: 2022.04.11 11:50:56 -03'00'

# CATÁLOGOS FOLDERS

# Folha de dados do produto

Especificações

Município de Curitiba  
Fl. nº 244  
43357



## No-break inteligente SRT da APC, 10.000 VA e 230 V

SRT10KXLI

### Visão geral

Apresentação	High density, double-conversion on-line power protection with scalable runtime.
Prazo de entrega	Normalmente em Estoque

### Principal

Main Input Voltage	230 V trifásico
Other Input Voltage	220 V 240 V 380 V 415 V
Main Output Voltage	230 V
Other Output Voltage	220 V 240 V
Potência nominal em W	10000 W
Potência nominal em VA	10000 VA
Nb of power socket outlets	6 IEC 60320 C13 3 IEC Jumpers 4 IEC 60320 C19
Output connector type	Conexão através de bornes 3-wire (H N + E) 1
Tipo de bateria	Bateria Chumbo-Acido
Equipamentos fornecidos	CD com software CD de documentação Guia de Instalação Sensor de temperatura Cabo USB Cartão de Garantia Web/SNMP Management Card

### Geral

Product web sub-family	High density
Number of power module free slots	0
Number of power module filled slots	0
Redundant	No

### Físico

Cor	Preto
-----	-------

Isenção de responsabilidade: Esta documentação não tem como objetivo substituir nem deverá ser utilizada para determinar a adequação ou confiabilidade desses produtos para aplicações específicas

<b>Altura</b>	43,2 cm
<b>Largura</b>	26,3 cm
<b>Profundidade</b>	71,5 cm
<b>Peso líquido</b>	111,82 kg
<b>Local de montagem</b>	Frontal
<b>Mounting preference</b>	No preference
<b>Modo de montagem</b>	Rack-mounted with kit
<b>Two post mountable</b>	0
<b>USB compatible</b>	Yes

## Entrada

<b>Frequência da rede</b>	40...70 Hz auto-sensoreamento
<b>Number of input connectors</b>	1 Conexão através de bornes 3-fios (1F+N+T) 1 Conexão através de bornes 5 fios (3F + N + T)
<b>Limites da tensão de entrada</b>	100...275 V ajustable (half load) 173...476 V ajustable (half load)

## Saída

<b>Potência Máxima Configurável (Watts)</b>	10000 W
<b>Distorção harmônica</b>	Menos de 2%
<b>Frequência de Saída (sincronizada com rede elétrica)</b>	50/60 Hz +/- 3 Hz sincronizada com rede elétrica
<b>Crest factor</b>	3 : 1
<b>Topologia</b>	Dupla Conversão Online
<b>Tipo de Forma de Onda</b>	Onda senoidal
<b>Bypass type</b>	Bypass interno (automático e manual)
<b>Maximum configurable power in VA</b>	10000 VA

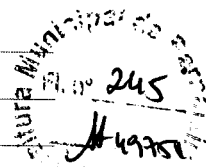
## Conformidade

<b>Certificações do produto</b>	CE EAC IRAM RCM VDE
<b>Gravação</b>	Certificação CE
<b>Normas</b>	EN/IEC 62040-1 EN/IEC 62040-2

## Ambiental

<b>Temperatura ambiente para funcionamento</b>	0...40 °C
<b>Umidade relativa</b>	0...95 %
<b>Altitude de funcionamento</b>	0...10000 ft
<b>Temperatura ambiente para armazenamento</b>	-15...45 °C
<b>Umidade Relativa de Armazenamento</b>	0...95 % sem condensação
<b>Altitude de armazenamento</b>	0,00...15240,00 m

Nível acústico	55 dBA
Dissipação de calor	1947 Btu/h
Grau de proteção IP	IP20



### Baterias & Tempo de operação

Baterias Pré-Instaladas	0
Tempo de recarga típico	1,5 H
Quantidade de RBC™	2
Voltagem da bateria	+/-192 V (bateria dividida com referência a neutro)
Energia de Carga da Bateria (Watts)	1195 W rated
Battery power in VAH	1805 VAh runtime
Duração da bateria	3...5 ano(s)
Battery option	SRT192BP2 1 3610 VAh SRT192BP2 2 5415 VAh SRT192BP2 3 7220 VAh SRT192BP2 4 9025 VAh SRT192BP2 5 10830 VAh SRT192BP2 6 12635 VAh SRT192BP2 8 16245 VAh SRT192BP2 10 19855 VAh
Autonomia expansível	1

### Comunicação & Gerenciamento

Slots livres	1
Painel de controle	Console lcd de status e controle multifunção
Alarme sonoro	Alarmes audíveis e visíveis priorizados por gravidade
Desligamento de Emergência (EPO)	Sim

### Proteção e filtragem de sobretensão

Classe de surto de energia	480 J
----------------------------	-------

### Unidades de embalagem

Peso do pacote 1	126,82 kg
Pacote 1 Altura	46,1 cm
Pacote 1 largura	60 cm
Pacote 1 Comprimento	100 cm

### Oferta sustentável

Situação da oferta sustentável	Produto Green Premium
Regulamento REACH	Declaração REACH
Diretiva RoHS da UE	Conforme Declaração RoHS da EU
Sem mercúrio	Sim
Informações das isenções RoHS	Sim
Divulgação Ambiental	Perfil ambiental do produto
Perfil de Circularidade	Informação sobre o fim da vida útil

<b>WEEE</b>	No mercado da União Europeia, o produto tem de ser eliminado de acordo com um sistema de recolha de resíduos específico e nunca terminar num contentor de lixo.
<b>Eficiência energética otimizada</b>	Produto eficiente em termos energéticos
<b>Take-back</b>	Take-back program available

### **Garantia contratual**

<b>Garantia</b>	3 anos para reparo ou substituição (não inclui baterias) e 2 anos para baterias
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stura Milano 246  
#4930

# Smart-UPS On-Line 230 V

Unity output power factor single-phase,  
double-conversion online UPS  
with advanced management features

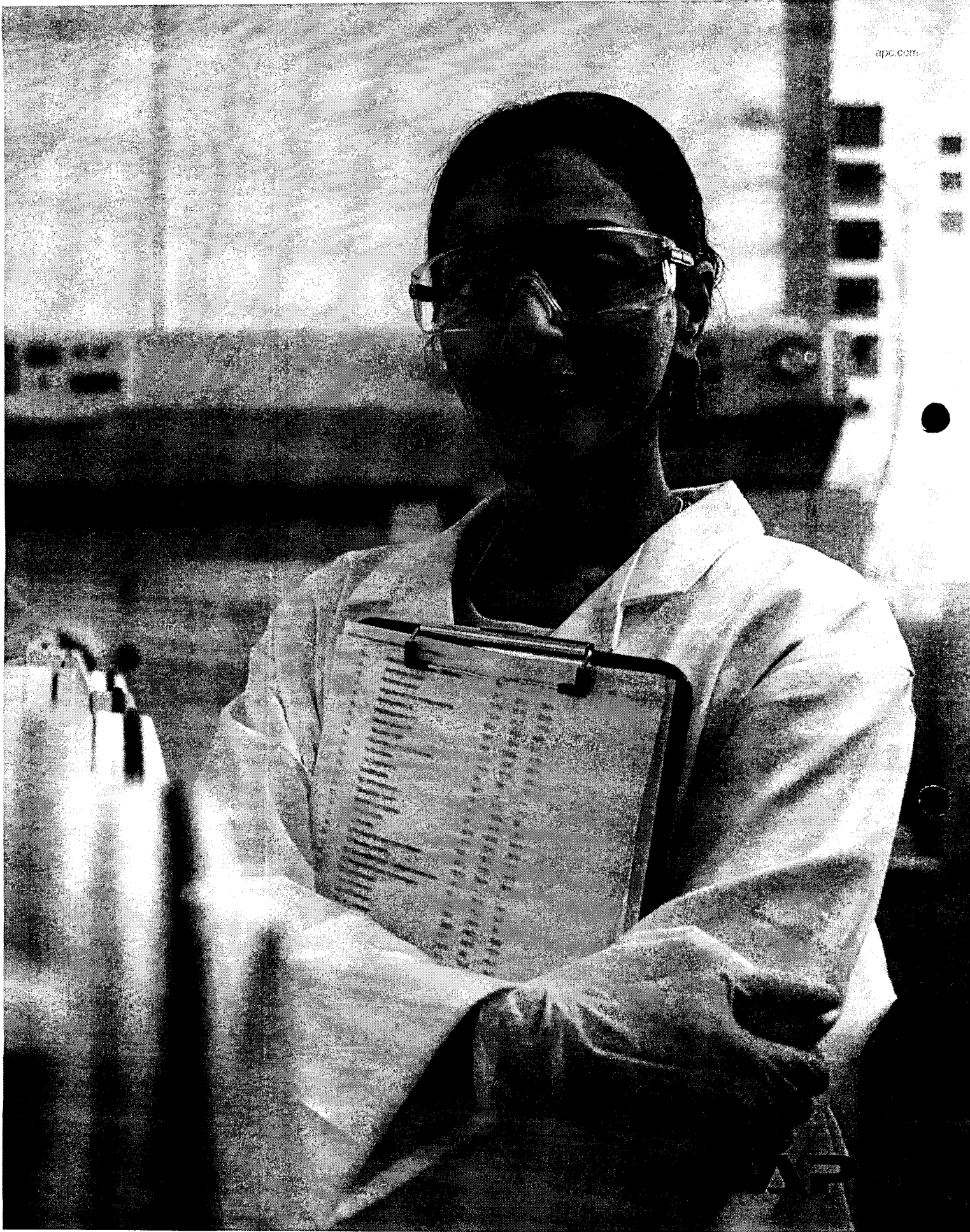


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Life Is On

**Schneider**  
Electric





# A versatile UPS developed for unstable power conditions worldwide

Smart-UPS™ On-Line provides high-density, double-conversion, online power protection for servers, voice/data networks, medical labs, and light industrial applications. The Smart-UPS On-Line is capable of supporting loads from 1 kVA – 10 kVA in a rack/tower convertible chassis. The 6 kVA, 8 kVA, and 10 kVA models feature unity output power factor enabling them to support power-hungry blade servers or heavily loaded equipment racks. When business-critical systems require runtime in hours, not minutes, Smart-UPS On-Line can be configured with multiple battery packs to meet aggressive runtime demands.

The included PowerChute™ Network Shutdown management software provides unattended graceful shutdown of network operating systems. Models 5 kVA to 10 kVA include an integrated network management card for remote management. The entire Smart-UPS On-Line family provides value to customers with demanding power conditions, including a very wide input voltage window, extremely tight output voltage regulation, frequency regulation, internal bypass, and input power factor correction.

# Smart-UPS On-Line

Industry-leading power factor maximizing UPS density.  
Rackmount and tower SRT 1 kVA – 10 kVA



SRT6KXLI shown

## Standard features

### Best-in-class power density

More real power in watts, 0.9 pf on 2.2 kVA – 5 kVA, Unity on 1-1.5 kVA units and 6 kVA – 10 kVA units.

### High-efficiency "green mode"

Achieves 98 percent efficiency, which saves utility and cooling costs without compromising performance or reliability.

### Graphical LCD display with multicolor backlight

Intuitive interface provides detailed and accurate information with ability to configure locally.

### Intelligent battery management

Temperature-compensated charging extends life and advanced algorithms recommend replacement date. The UPS can inform user which batteries need to be replaced and auto detect when additional battery packs are added.

### Built-in energy meter

Measures energy use and displays UPS efficiency in various modes of operation for easy energy tracking.

### Operate without battery

Ability to immediately protect equipment when power returns after a complete discharge of the battery.

### Three-year warranty on electronics

Additional year of warranty protection for electronics provides peace of mind.

1994  
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Hurst

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apc.com



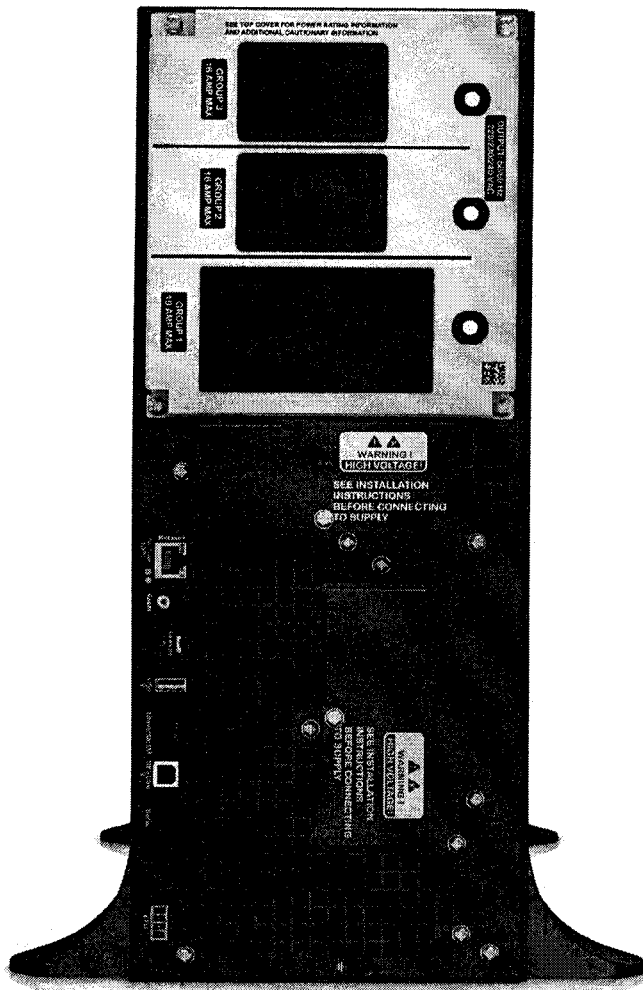
Life Is On | Schneider Electric



249  
H 49751

# Smart-UPS On-Line

Proven performance with the world's largest installed base of single-phase, double-conversion products.  
Rackmount and tower SRT 1 kVA – 10 kVA



## Additional features

### Embedded network management card with environmental monitoring (5 kVA – 10 kVA models)

Remote monitoring and control of the UPS and the environment via Ethernet connection while freeing up the SmartSlot™ so customers can add accessories for additional communication options.

### Switched outlet group(s)

Ability to control a group of output load receptacles independent from the main UPS. Enables:

- Rebooting hung device without cycling the entire UPS
- Sequenced turn ON/OFF
- Shedding of noncritical loads based on a variety of parameters (battery time, runtime remaining, and overload)
- Scheduled time OFF to conserve energy

### Emergency power off

Remote UPS shutoff in the event of a fire or other emergency. The UPS can accept normally open (NO) or normally closed (NC) contacts.

### Communication ports

Serial, USB, Ethernet, and SmartSlot for network accessory cards.

### Communication protocols

Modbus serial, USB PowerSummary, HTTP, SNMP, and Telnet.

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

Product can be wired for 3-PH or 1-PH input (230 V, 8 kVA, and 10 kVA models only).

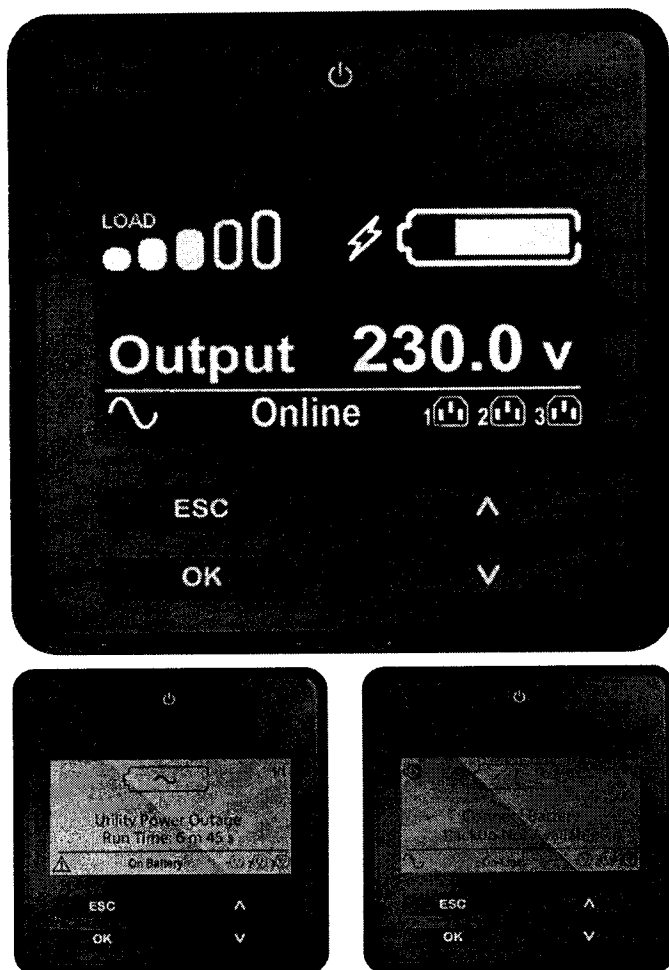
### Dual input

Enables second input source to be connected to UPS bypass (230 V, 8 kVA, and 10 kVA models only).

SRT6KXLI shown

# Smart-UPS On-Line display

Intuitive, easy-to-use LCD provides clear and accurate information in multiple languages.



Backlit screens:

**Amber:** Indication of condition that requires attention

**Red:** Indication of UPS alarm that requires immediate attention

## Standard features

### LCD display screen

Accurately provides real-time status updates in your choice of basic or advanced menus.

### UPS status (scrolling)

- Output voltage
- Input voltage
- Output frequency
- Runtime
- Load
- Battery health

### Control

- UPS and outlet group settings
- Bypass control

### Configuration

- Output voltage, frequency
- Language, brightness, contrast
- Alarm volume
- IP address

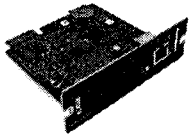
### Test and diagnostics

- Initiate battery and runtime calibration tests

### About

- UPS serial number, battery part number
- Battery install and suggested replacement dates

# Product accessories



Management card

## Management cards

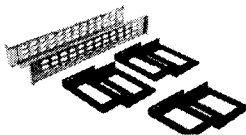
- AP9640: UPS Network Management Card
- AP9641: UPS Network Management Card with Environmental Monitoring
- AP9643: UPS Network Management Card with Environmental Monitoring and Modbus Support
- AP9810: APC dry contact I/O accessory
- AP9624: UPS interface expander
- AP9613: Dry contact I/O SmartSlot card



Battery pack

## Battery packs

- SRT48BP: APC Smart-UPS SRT 48 V 1 kVA and 1.5 kVA battery pack
- SRT48RMBP: APC Smart-UPS SRT 48 V 1 kVA and 1.5 kVA battery back
- SRT72BP: APC Smart-UPS SRT 72 V 2.2 kVA battery pack
- SRT72RMBP: APC Smart-UPS SRT 72 V 2.2 kVA RM battery pack
- SRT96BP: APC Smart-UPS SRT 96 V 3 kVA battery pack
- SRT96RMBP: APC Smart-UPS SRT 96 V 3 kVA RM battery pack
- SRT192BP: APC Smart-UPS SRT 192 V 5 kVA and 6 kVA battery pack
- SRT192RMBP: APC Smart-UPS SRT 192 V 5 kVA and 6 kVA RM battery pack
- SRT192BP2: APC Smart-UPS SRT 192 V 8 kVA and 10 kVA battery pack
- SRT192RMBP2: APC Smart-UPS SRT 192 V 8 kVA and 10 kVA RM battery pack
- SRT002: APC Smart-UPS SRT 5 M extension cable for 192 VDC External Battery Packs 5/6 kVA UPS
- SRT003: APC Smart-UPS SRT 5 M extension cable for 192 VDC External Battery Packs 8/10 kVA UPS
- SRT009: APC Smart-UPS SRT 5 M extension cable for 72 VDC external battery pack 2.2 kVA UPS
- SRT010: APC Smart-UPS SRT 5 M extension cable for 96 VDC external battery pack 3 kVA UPS



Rail kits

## Rail kits

- SRTRK2: APC Smart-UPS SRT 19 inch rail kit for Smart-UPS SRT 5/6/8/10 kVA UPS
- SRTRK3: APC 2-post mounting rail kit for Smart-UPS SRT 2.2/3/5/6/8/10 kVA UPS
- SRTRK4: APC Smart-UPS SRT 19 in rail kit for Smart-UPS SRT 1/1.5/2.2/3 kVA UPS

## Backplate kit

- SRT001: APC Smart-UPS SRT 5 kVA output HW kit
- SRT012: APC Smart-UPS SRT 2.2/3 kVA input/output HW kit

## Transformers

- SRT5KTF: APC Smart-UPS RT 3/5/6 kVA isolation and step-down transformer
- SRT10KRMTF: APC Smart-UPS RT 8 / 10 kVA isolation and step-down transformer

## Service bypass panels

- SBP1500RMI: APC service bypass panel 230 V; 10 A; BBM; IEC-320 C14 input; IEC-320 C14 / C13 output
- SBP3000RMI: APC service bypass panel 230 V; 16 A; BBM; IEC-320 C20 input; IEC-320 C20 /C19 output
- SBP3000RMHW: APC service bypass panel 230 V; 16 A; BBM; hardwire input; IEC-320 C20 /C19 output
- SBP6KRMI2U: APC service bypass panel 230 V; 50 A; MBB; hardwire input; (4) IEC-320 C19 output
- SBP10KRMI4U: APC service bypass panel 230 V; 100 A; MBB; hardwire input; IEC-320 output (8) C13 (2) C19

## Other

SURT013: SURT Equipment Cart

## Replacement Battery Cartridge

APCRBC140: RBC for SRT 5 kVA - 10 kVA UPS

APCRBC141: RBC for SRT 2.2 kVA UPS

APCRBC152: RBC for SRT 3 kVA UPS

APCRBC155 RBC for SRT 1-1.5 kVA UPS



# Smart-UPS On-Line runtime

Runtime estimates at half and full load (minutes)

UPS half/full loads	SRT1000XLI (RM) (RM-NC) (500 W/1,000 W)	SRT1500XLI (RM) (RM-NC) (750 W/1,500 W)	SRT2200XLI (RM) (RM-NC) (900 W/1,900 W)	SRT3000XLI (RM) (RM-NC) SRT3000XLW-IEC (RM) (1,350 W/2,700 W)
Internal	21.5/8.4	14.6/4.0	11.6/3.9	11.8/4.0
(1) Battery pack	90.0/40.0	63.0/27.0	45.7/20.2	46.4/20.5
(2) Battery packs	134.0/63.0	95.1/45.0	82.1/37.6	83.3/38.1
(3) Battery packs	194.0/92.0	138.7/66.3	119.9/55.6	121.6/56.3
(4) Battery packs	257.0/122.0	183.4/88.2	158.6/74.1	160.9/75.1

UPS half/full loads	SRT5KXLI (RM) SRT5KRMXLW-HW (2,250 W/4,500 W)	SRT6KXLI (RM) (3,000 W/6,000 W)	SRT8KXLI (RM) (4,000 W/8,000 W)	SRT10KXLI (RM) (5,000 W/10,000 W)
Internal	11.8/4	8.7/2.5	14.5/5.2	11.5/3.8
(1) Battery pack	46.2/20.5	36/15.5	34.5/14.7	28/11.6
(2) Battery packs	83/38	65.2/29.4	55.43/24.63	45.3/19.8
(3) Battery packs	121/56.4	95.5/43.8	77/34.84	63.1/28.2
(4) Battery packs	160.4/75.1	126.6/58.6	99.1/46.33	81.3/36.8



# Smart-UPS On-Line SRT

1000 VA and SRT 1500 VA technical specifications

Product feature	SRT1000XLI SRT1000RMXLI SRT1000RMXLI-NC (Pre-Installed NMC, AP9641)	SRT1500XLI SRT1500RMXLI SRT1500RMXLI-NC (Pre-Installed NMC, AP9641)
<b>Output</b>		
Power rating	1000 VA/ 1000W	1500 VA/ 1500 W
Nominal output voltage	230 V (220 V, 240 V user selectable)	
Output frequency	50/60 Hz ± 3 Hz (auto sense) 50/60 Hz ± 0.1 Hz (user selectable)	
Topology	Double-conversion online	
Online efficiency at full load (typical)	91%	92%
Green mode efficiency at full load (typical)	94%	96%
Output connections (switched groups)	(6) IEC 320 C13	
<b>Input</b>		
Nominal input voltage	220, 230, 240 V	
Input voltage range full load (half load)	176 – 275 V (100 – 275 V)	
Input frequency	40 – 70 Hz	
Input connection	IEC-60320 C14	
<b>Batteries and runtime</b>		
Battery type	Sealed, maintenance-free, valve-regulated lead-acid battery	
Replacement battery (quantity)	APCRBC155	
External battery pack (tower/rack mount)	SRT48BP/SRT48RMBP	
<b>Communication and management</b>		
Interface ports	Serial (RJ45), USB (Type A) and SmartSlot	
Control panel	Multi-function LCD status and control console. Audible and visible alarms prioritized by severity.	
Emergency power off (EPO)	Yes (NO/NC connections)	
<b>Physical</b>		
Rack height	85 mm, 2U	
Maximum width (RM)	432 mm	
Maximum depth (RM)	505 mm	
Net weight	22.0 kg	
<b>Conformance</b>		
Regulatory	CE, CE Mark, VDE, RCM, and EAC, IEC/EN 62040-1, IEC/EN 62040-2	CE, CE Mark, VDE, RCM, and EAC, IEC/EN 62040-1, IEC/EN 62040-2
Warranty	Three years for electronics/two years for battery	

# Smart-UPS On-Line SRT

## 2200 VA and SRT 3000 VA technical specifications

Product feature	SRT2200XLI SRT2200R4XLI SRT2200RMXLI-NC (Pre-installed NMC, AP9641)	SRT3000XLI SRT3000RMXLI SRT3000RMXLI-NC (Pre-installed NMC, AP9641)	SRT3000XLW-IEC SRT3000RMXLW-IEC
<b>Output</b>			
Power rating	2200 VA/1980 W		3000 VA/2700 W
Nominal output voltage	230 V (220 V, 240 V user selectable)		230 V (208 V, 220 V, 240 V user selectable)
Output frequency	50/60 Hz $\pm$ 3 Hz (auto sense) 50/60 Hz $\pm$ 0.1 Hz (user selectable)		
Topology	Double-conversion online		
Online efficiency at full load (typical)	92%		
Green mode efficiency at full load (typical)	96%		97%
Output connections (switched groups)	(8) IEC 320 C13, (2) IEC 320 C19		(4) IEC320 C13, (2) IEC320 C19
<b>Input</b>			
Nominal input voltage	230 V		230 V (208 V, 220 V, 240 V user selectable)
Input voltage range full load (half load)	160 – 275 V (100 – 275 V)		
Input frequency	40 – 70 Hz		
Input connection	IEC-60320 C20, Schuko CEE 7/EU1-16P, British BS1363A		
<b>Batteries and runtime</b>			
Battery type	Sealed, maintenance-free, valve-regulated lead-acid battery		
Typical backup time at 1/2 load (min)	11.8 min		11.8 min
Typical backup time at full load (min)	3.9 min		4.0 min
Replacement battery (quantity)	APCRBC141 (1)		APCRBC152 (1)
External battery pack (tower/rack mount)	SRT72BP/SRT72RMBP		SRT96BP/SRT96RMBP
<b>Communication and management</b>			
Interface ports	Serial (RJ45), USB (Type A) and SmartSlot		
Control panel	High-resolution graphical LCD display		
Emergency power off (EPO)	Yes (NO/NC connections)		
<b>Physical</b>			
Rack height	85 mm, 2U		
Maximum width (RM)	432 mm		432 mm
Maximum depth (RM)	585 mm		636 mm
Net weight	25 Kg		31 kg
<b>Conformance</b>			
Regulatory	CE, VDE, RCM, and EAC, IEC/EN 62040-1, IEC/EN 62040-2	CE, VDE, RCM, and EAC, IEC/EN 62040-1, IEC/EN 62040-2, UL-1778, FCC Part 15 Class A, CSA	
Warranty	Three years for electronics/two years for battery		

# Smart-UPS On-Line SRT

5 kVA – 10 kVA technical specifications

Product feature	SRT5KRMXLW-FW	SRT5KXLI SRT5KRMXLI	SRT6KXLI SRT6KRMXLI	SRT8KXLI SRT8KRMXLI	SRT10KXLI SRT10KRMXLI
<b>Output</b>					
Power rating	5,000 VA/4,500 W		6,000 VA/6,000 W	8,000 VA/8,000 W	10,000 VA/10,000 W
Nominal output voltage	230 V (220 V, 240 V, 208 V user selectable)		230 V (220 V, 240 V user selectable)		
Output frequency	50/60 Hz $\pm$ 3 Hz (auto sense)		50/60 Hz $\pm$ 0.1 Hz (user selectable)		
Topology	Double-conversion online				
Online efficiency at full load (typical)	94%				
Green mode efficiency at full load (typical)	98%				
Output connections	Hardwire three-wire (1 PH + N + G) or (2 PH + G)	(6) IEC 320 C13 (4) IEC 320 C19	(6) IEC320 C13, (4) IEC320 C19, hardwire three-wire (1 PH + N + G)		
<b>Input</b>					
Nominal input voltage	208 V, 220 V, 230 V, 240 V	220 V, 230 V, 240 V		220 V/380 V, 230 V/400 V, 240 V/ 415 V	
Input voltage range full load (half load)	160 – 275 V (100 – 275 V)			160/277 – 275/476 V (100/173-275/476 V)	
Input frequency	40 – 70 Hz				
Input connection	Hardwire three-wire (1 Ph+N+G) or (2 PH + G)	Hardwire three-wire (1 Ph+N+G)		Hardwire three-wire (1 Ph+N+G), Hardwire five-wire (3 Ph+N+G)	
<b>Batteries and runtime</b>					
Battery type	Sealed, maintenance-free, valve-regulated lead-acid battery				
Typical backup time at 1/2 load (min.)	11.8 min.	8.7 min.	14.5 min.	11.5 min.	
Typical backup time at full load (min.)	4 min.	2.5 min.	5.2 min.	3.8 min.	
Replacement battery (quantity)	APCRBC140 (1)			APCRBC140 (2)	
External battery pack (tower/rack mount)	SRT192BP/SRT192RMBP			SRT192BP2/SRT192RMBP2	
<b>Communication and management</b>					
Interface ports	Embedded network management with environmental monitoring, which includes an RJ-45 with status LEDs (10/100/1000 Base-T), USB ports, Serial port, Universal IO port, console port				
Control panel	High-resolution graphical LCD display				
Emergency power off (EPO)	Yes (normally open, NO/ normally closed, NC connections)				
<b>Physical</b>					
Rack height	3 U	4 U	6 U	6 U	
Maximum height (RM)	130 mm	174 mm	263 mm	263 mm	
Maximum width (RM)	432 mm	432 mm	432 mm	432 mm	
Maximum depth (RM)	719 mm	719 mm	715 mm	715 mm	
Net weight	54.5 kg	60 kg	112 kg	112 kg	
<b>Conformance</b>					
Regulatory	UL-1778, FCC Part 15 Class A, CSA, CE, VDE, RCM, and EAC, IEC/EN 62040-1, IEC/EN 62040-2	CE, VDE, RCM, and EAC, IEC/EN 62040-1, IEC/EN 62040-2			
Warranty	Three years for electronics/two years for battery				



Schneider Electric

132 Fairgrounds Road  
West Kingston, RI 02892  
Phone: 401-789-5735

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