APC Smart-UPS RT 10000VA 230V

Part Number: SURT10000XLI

عرضه کننده انواع UPS
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Communications & Management

Interface Port(s)	DB-9 RS-232, RJ-45 10/100 Base-T, Smart-Slot
Pre-Installed SmartSlot™ Cards	AP9631
Control panel	LED status display with load and battery bar-graphs and On Line : On Battery : Replace Battery : Overload and Bypass Indicators
Audible Alarm	Alarm when on battery : distinctive low battery alarm : overload continuous tone alarm
Emergency Power Off (EPO)	Yes

Surge Protection and Filtering

Surge energy rating	1265J Joules
Filtering	Full time multi-pole noise filtering : 0.3% IEEE surge let-through : zero clamping response time : meets UL 1449

Physical

Maximum Height	432.00 mm
Maximum Width	263.00 mm
Maximum Depth	736.00 mm
Rack Height	6U
Net Weight	110.91 KG
Shipping Weight	129.09 KG
Shipping Height	552.00 mm
Shipping Width	597.00 mm
Shipping Depth	991.00 mm
Color	Black
Units per Pallet	2.00

Environmental

Operating Environment	0 - 40 ℃
Operating Relative Humidity	0 - 95% no%
Operating Elevation	0-3000 meters
Storage Temperature	-15 - 45 ℃
Storage Relative Humidity	0 - 95% no%
Storage Elevation	0-15000 meters
Audible noise at 1 meter from surface of unit	55.00 dBA
Online Thermal Dissipation	2262.00 BTU/hr
Protection Class	IP 20

Conformance

Regulatory Approvals	C-tick, CE, EN 50091-1, EN 50091-2, EN 55022 Class A, EN 60950, EN 61000-3-2, GOST, VDE
Standard Warranty	2 years repair or replace

Sustainable Offer Status

RoHS	Compliant

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Smart-UPS On-Line 230 V

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

APC by Schneider Electric

Product feature	SRT5KXLI SRT5KRMXLI	SRT6KXLI SRT6KRMXLI	SRT8KXLI SRT8KRMXLI	SRT10KXLI SRT10KRMXLI
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 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)	94%			
Green Mode Efficiency at Full Load (typical)	98%			
Output Connections (Switched groups)	(6) IEC 320 C13 (4) IEC 320 C19	(6) IEC 320 C13, (4) IEC 320 C19, HW 3-Wire (L+N+G)		
Nominal input voltage	230 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 auto-selecting			
Input connection	Hardwire three-wire (1 Ph+N+G)		Hardwire three-wire (1 Ph+N+G), Hardwire five-wire (3 Ph+N+G)	
Battery type	Maintenance-free sealed lead-acid battery with suspended electrolyte, leak proof			
Typical Backup Time at 1/2 Load (min.)	11.8 min.	8.7 min.	14.8 min.	11.5 min.
Typical Backup Time at Full Load (min.)	4 min.	2.5 min.	5.3 min.	3.8 min.
Replacement Battery (Quantity)	APCRBC140 (1)		APCRBC140 (2)	
External Battery Pack (Tower/Rack Mount)	SRT192BP/SRT192RMBP		SRT192BP2/SRT192RMBP2	
Interface Ports	RJ-45 with Status LEDs (10/100 Base-T), Serial (RJ45), USB (Type B) and SmartSlot			
Control panel	High Resolution Graphical LCD display			
Emergency power off (EPO)	Yes (NO/NC connections)			
Embedded Network Management with Environmental Monitoring	Yes			
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
Regulatory	CE, VDE, C-tick, EAC, EN 50091-1, EN 50091-2, IEC 62040-2 2005 Edition, IEC 60950			
Warranty	Three years for electronics/two years for battery			

Smart-UPS VT

APC Smart-UPS VT 30kVA 208V w/4 Batt. Modules, Start-Up 5X8, Internal Maintenance Bypass

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Output

Output Power Capacity	24 kW / 30 kVA
Max Configurable Power	24 kW / 30 kVA
Nominal Output Voltage	120V,208V,208V 3PH
Output Voltage Note	Configurable for 208 and 220V - 3 Phase
Efficiency at Full Load	93%
Output Voltage Distortion	Less than 5% at full load
Output Frequency (sync to mains)	57 - 63 Hz for 60 Hz nominal
Crest Factor	Unlimited
Waveform Type	Sine wave
Output Connections	(1) Hard Wire 5-wire (3PH + N + G) (1) Screw Terminals
Bypass	Built-in Maintenance Bypass,Built-in Static Bypass

Input

Nominal Input Voltage	208V 3PH
Input Frequency	40 - 70 Hz
Input Connections	Hard Wire 5-wire (3PH + N + G)
Input voltage range for main operations	165 - 240V
Other Input Voltages	220
Maximum Input Current	80A
Input Breaker Capacity	125A

Batteries & Runtime

Battery Type	VRLA
Included Battery Modules	4
Typical recharge time	5 hour(s)
Replacement Battery	SYBT4
RBC™ Quantity	4
Typical Backup Time at Half Load	27.1 minutes (12000 Watts)
Typical Backup Time at Full Load	9.5 minutes (24000 Watts)
Runtime Chart	Smart-UPS VT
Typical Backup Time	

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Symmetra PX 40

Scalable from 10 kW to 40 kW

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Technical specifications

Symmetra PX 40	
Input	
Grid system	Three phases + neutral + ground
Voltage range	166 V – 240 V
Nominal input current	123 A
Maximum input current (continuous, at minimum mains voltage)	162 A
Frequency	50/60 Hz
Bypass (optional)	
Full-load output rating	40 kW
Max. continuous input current (at minimum mains)	155 A
Max. continuous output current + 125% overload (bypass mode only)	139 A
Nominal output current	111 A
Nominal input current	125 A
Output	
Power rating	40 kVA/40 kW
Voltage nominal	208 V
Nominal output current	111 A
Maximum output current (in bypass only at 125% overload, per phase)	139 A
Output frequency (online, in bypass)	Synchronized to input
Frequency (on battery)	50/60 Hz
Efficiency	
AC-AC at nominal mains	up to 95%
Mechanical	
Size (HxWxD)	82 x 24 x 36 in. (2,080 x 600 x 915 mm)
Weight: fully loaded enclosure	1,700 lb. (775 kg)
Weight: enclosure without power or battery modules	600 lb. (275 kg)
Environmental	
Storage temperature	5 °F to 104 °F (-15 °C to 40 °C)
Operating temperature*	32 °F to 104 °F (0 °C to 40 °C)
Approvals	
cUL Listed, EN 50091-1, EN 50091-2, FCC Part 15 Class A, ISO 14001, ISO 9001, UL 1778, UL 60950	

*The operating temperature range for optimum battery life is 64 °F to 80 °F (18 °C to 27 °C)
Preliminary — subject to change without notice.

MGE Galaxy 300

3:3-phase: 10/15/20/30/40 kVA, 3:1-phase 10/15/20/30 kVA

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Rated Power (kVA/kW)	10/8	15/12	20/16	30/24	40/32
Normal AC supply input					
Input voltage (V)	380/400/415 V (Three-phase + Neutral)				
Frequency (Hz)	45 – 65 Hz				
Input Power Factor	Up to 0.99 at >50% load				
THDI	<7% at full load				
Input Voltage Tolerance Utility Operation	340 V to 477 V at full load (-15% to +20% at 400 V)				
Dual Mains Input	Yes				
Output					
Nominal Output Voltage (V)	3:1 - 220/230/240 V				N/A
	3:3 - 380/400/415 V (Three-phase + Neutral)				
Efficiency at Full Load (on-line)	Up to 93%				
Output Frequency	Mains synchronized in normal operation 50 Hz or 60 Hz + 0.1% free-running				
Overload Capacity Utility Operation	125% for 2 minutes, 150% for 10 seconds				
Output Voltage Tolerance	+2% static, +5% at 100% load step				
Communication and Management					
Communication Interface	Network Management Card (AP9630)				
Control Panel	multi-function LCD, status and display console				
Dimensions and Weight					
UPS Dimensions (HxWxD) – 3:1	1,300x400x950 mm		1,300x500x950 mm		N/A
UPS Dimensions (HxWxD) – 3:3	1,300x400x950 mm			1,300x500x950 mm	
UPS Weight (kg) without Batteries (3:1 / 3:3)	150/135 kg		190/135 kg		203 kg
UPS Maximum Weight (kg) with integrated Batteries	620 kg				
Battery Cabinet Dimensions (HxWxD)	1,300x660x850 mm				
Battery Cabinet - Minimum weight	105 kg				
Battery Cabinet - Maximum weight	610 kg				
Regulatory					
Safety	IEC/EN62040-1-1				
EMC/EMI/RFI	IEC 62040-2				
Approvals	CE, TUV				
Environmental					
Operating Temperature	0°C to 35°C				
Relative Humidity	0 to 90% non-condensing				
Operating Elevation	0 to 1,000 m at 100% load				
Max. Audible Noise at 1m from unit	54 dBA at 100% load			53 dBA at 100% load	
Protection Class	IP20				

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Galaxy 3500

10/15/20/30/40 kVA

APC by Schneider Electric

Technical specifications: 3:1 and 3:3

Rated power (kVA/kW)	10/8 (3:3 only)	15/12	20/16	30/24	40/32
Normal AC supply input					
Input voltage (V)	380/400/415 V (three-phase + neutral)				
Frequency (Hz)	Synchronized to mains				
Input power factor	> 0.98 at load > 50%				
THDI	< 5% at full load				
Input voltage tolerance utility operation	304 V to 477 V at full load, 200 V to 477 V at half load (for 400 V)				
Dual mains input	Yes				
Input voltage tolerance bypass	±10% standard ±4, 6, 8, 10% (programmable)				
Backfeed protection	Built-in backfeed contactor				
Output					
Nominal output voltage (V)		3:1 (220/230/240 V)			
	3:3 (380/400/415 V) three-phase + neutral				
Efficiency at full load (AC-AC at nominal mains)	94.5%	95.8%	95.5%	95.8%	96.0%
Efficiency at 50% load (AC-AC at nominal mains)	94.7%	95.3%	95.7%	95.5%	95.5%
DC-AC nominal battery voltage	94.1%	95.1%	94.9%	95.2%	95.0%
Load power factor	0.5 leading to 0.5 lagging				
Output frequency	Mains synchronized in normal operation 50 Hz ± 0.05% free-running				
Overload capacity utility operation	125% for 10 minutes, 150% for 60 seconds				
Overload battery utility operation	150% for 60 seconds				
V THD	< 2% from 0 to 100% linear load, < 3.5% full nonlinear load				
Output voltage tolerance	+/-1% static, +/-5% at 100% load step				
Communication and management					
Communication interface	Network management card with environmental monitor				
Control panel	Power view multi-function LCD, status, and control console				
Emergency power off	Yes				
Dimensions and weights					
Dimensions (H x W x D) narrow tower	1,490 x 352 x 838 mm			N/A	
Dimensions (H x W x D) wide tower	1,490 x 523 x 838 mm				
Weight (kg) — narrow tower	214 (3:3 only)	402		N/A	
Weight (kg) — wide tower	443 (3:3 only)	472		656	662
Protection					
Surge	IEC 61000-4-5				
Thermal, short circuit	Yes				
Regulatory					
Safety	IEC/EN62040 1-1				
EMC/EMI/RFI	EN50091-2, IEC 62040-2				
Approvals	ANSI, IEEE				
Environmental					
Operation temperature	0 to 40 °C				
Storage temperature	-15 to 45 °C				
Relative humidity	0 to 95% noncondensing				
Operating elevation	0 to 1,000 m				
Storage elevation	0 to 15,000 m				
Maximum audible noise at 1 m from unit	< 43.3 dBA at < 70% load, < 51.3 dBA at 100% load			< 46.2 dBA at < 70% load, < 55.0 dBA at 100% load	
Protection class	IP51				

Galaxy 5500

20/30/40/60/80/100/120 kVA

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Technical specifications

Rated power (kVA/kW)	20/18	30/27	40/36	60/54	80/72	100/90	120/108
Normal AC supply input							
Input voltage	250 V to 470 V, three-phase						
Normal and bypass AC inputs	separate, common in option						
Frequency	45 – 66 Hz						
Input power factor	> 0.99						
THDI	< 3% full load						
Bypass AC Input							
Input voltage range	(380 V, 400 V, 415 V) +/- 10%						
Frequency	50/60 Hz +/- 10%						
Output							
Phase to phase output voltage	380/400/415 V, three-phase + neutral						
Load power factor	0.9						
Output frequency	50/60 Hz +/- 0.1%						
Overload capacity utility operation	125% for 10 minutes; 150% for 60 seconds						
Output voltage regulation	+/- 1%						
Voltage distortion (THD)	< 2% phase-to-phase and phase-to-neutral for nonlinear loads						
Output voltage tolerance	+1% static, +/- 2% at 100% load step						
Overall efficiency							
Efficiency at full load AC/AC at 100% load	Up to 94%						
ECO mode	up to 97%						
Communication and management							
Control panel	Multifunction LCD, status, and control console						
Dimensions and weights							
UPS without battery (H x W x D)	1900 x 712 x 850 mm						
UPS with internal battery (H x W x D)	1900 x 1112 x 850 mm						
Weight (UPS without battery)	400 kg				520 kg		
UPS with transformer dimensions	1900 x 1190 x 850 mm				1900 x 1265 x 850 mm		
UPS with transformer weight	705 kg				1045 kg		
Battery cabinet narrow (H x W x D)	1900 x 712 x 850 mm, weight 135 kg						
Battery cabinet wide (H x W x D)	1900 x 1012 x 850 mm, weight 150 kg						
Auxillary cabinet narrow (H x W x D)	1900 x 712 x 850 mm, weight 135 kg min.						
Auxillary cabinet wide (H x W x D)	1900 x 1012 x 850 mm, weight 150 kg min.						
Auxillary cabinet 475 mm with isolation transformer, up to 60 kVA (H x W x D)	1900 x 475 x 850 mm, weight 118 kg min., 305 kg max.						
Auxillary cabinet 550 mm with isolation transformer, 80 – 120 kVA (H x W x D)	1900 x 550 x 850 mm, weight 118 kg min., 527 kg max.						
Parallel system bypass (wallmounted or cabinet configuration) (H x W x D)	1000 x 800 x 303 mm min., 1900 x 1010 x 850 mm max., weight 71 kg min., 280 kg max.						
Regulatory							
Safety	IEC 62040-1, EN 62040-1						
EMC/EMI/RFI	IEC 62040-2, EN 62040-2						
Approvals	CE, TÜV						
Environmental							
Operating temperature	0 to 40 °C						
Storage temperature	-20 to 45 °C						
Relative humidity	0 – 95% noncondensing						
Operating elevation	0 – 1000 m						
Storage elevation	0 – 12,000 m						
Max. audible noise at 1 m from unit	55.5 dBA				61.4 dBA		60.2 dBA

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MGE Galaxy7000 160 - 500 kVA

APC by Schneider Electric

UPS power in kVA	160	200	250	300	400	500
Normal AC input						
Number of conductors	3 phases					
Reference voltage at Pn	380 V to 415 V					
Reference frequency	45 Hz to 66 Hz					
THDI	Typically 3% at Pn					
Power factor	> 0,99					
Bypass AC input						
Number of conductors	3 phases + neutral					
Reference voltage at Pn	380 V to 415 V					
Reference frequency	45 Hz to 66 Hz					
Load output						
Number of conductors	3 phases + neutral					
Set phase-to-phase voltages	380 V / 400 V / 415 V					
Set phase-to-neutral voltages	220 V / 230 V / 240 V					
Voltage variation	± 1%					
Adjustable frequencies and tolerance (on battery power)	50 Hz or 60 Hz ± 0.1 Hz					
Voltage variation for 0 to 100% load step impact	± 1%					
Permissible overloads	150% for 30 seconds, 125% for 10 minutes					
THDU Ph-to-Ph and Ph-to-N for non-linear load	< 2% Ph-to-Ph					
Battery						
Standard battery technology	Sealed lead-acid battery (gas-recombination) (Valve Regulated Lead Acid type)					

UPS power in kVA	160		200		250		300		400		500	
	PN/2	PN	PN/2	PN	PN/2	PN	PN/2	PN	PN/2	PN	PN/2	PN
Active power (kW)	72	144	90	180	112	225	135	270	180	360	225	450
Efficiency	92,0	93,2	93,0	93,0	93,2,	93,8	93,5	93,6	94,1	94,1	94,3	94,3
Heat losses in kW Heat losses in calories/s	6,3 1496	10,5 2511	6,8 1619	13,5 3238	8,2 1962	14,9 3554	9,4 2243	18,6 4449	11,3 2697	22,6 5395	13,6 3250	27,2 6501

Storage temperature range	-25°C to +45°C
Operating temperature range at Pn	0°C to 35°C
Relative humidity	45% to 75%
Maximum operating altitude without derating	<1000 m
Noise level (dBa)	75
Product standards	IEC 62040
Safety standards	IEC 62040-1-2
Protection standards	IEC 62040-3
EMC standards	IEC 62040-2

	Sealed lead-acid battery	Vented lead-acid battery	Ni-Cd battery
Min/max number of cells	44/48	44/48	428/468
Floating voltage per cell	2.27V	2.2V	1.4V
Min/max floating voltage	600V / 654V	581V / 634V	600V / 655V
Min voltage per cell	1.65V to 1.9V	1.65V to 1.9V	Min threshold 1.1V