

Smart-UPS On-Line

APC Smart-UPS RT 3000VA Rack Mount 208V with 208V to 120V Step-Down Transformer

SURTD3KRMXL3U-TF5

APC Smart-UPS On-Line, 2100 Watts / 3000 VA, Input 208V / Output 120V, 208V, Interface Port RJ-45 10 Base-T, SmartSlot, Extended runtime model, Rack Height 5 U

Email Technical Specifications

Printer Friendly



Includes: CD with software, Rack Mounting support rails, Smart UPS signalling RS-232 cable, User Manual

Standard Lead Time: Usually in Stock






Product Category


- Computer and Peripheral (6)
- Home UPS (1)
- Network and Server
- > Smart-UPS
- > Smart-UPS BR
- > **Smart-UPS On-Line**
- > Symmetra
- Data Center and Facility 3 Phase (15)
- Special Applications (5)
- UPS Management (7)

[Return to Uninterruptible Power Supply \(UPS\)](#)

Output

Output Power Capacity	2100 Watts / 3000 VA
Max Configurable Power	2100 Watts / 3000 VA
Nominal Output Voltage	120V, 208V
Output Voltage Note	Configurable for 208 or 240 nominal output voltage
Efficiency at Full Load	92.0%
Output Voltage Distortion	Less than 3%
Output Frequency (sync to mains)	50/60 Hz +/- 3 Hz user adjustable +/- 0.1
Crest Factor	3 : 1
Topology	Double Conversion Online
Waveform Type	Sine wave
Output Connections	(12) NEMA 5-20R  (2) NEMA L6-20R  (1) NEMA L6-30R 
Bypass	Internal Bypass (Automatic and Manual)

Input

Nominal Input Voltage	208V
Input Frequency	50/60 Hz +/- 5 Hz (auto sensing)
Input Connections	NEMA L6-30P 
Cord Length	3.05 meters
Input voltage range for main operations	160 - 280V
Input voltage adjustable range for mains operation	100 - 280V

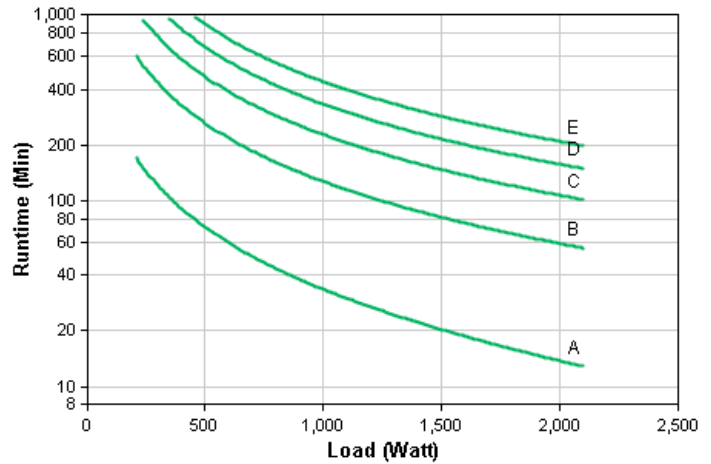
Batteries & Runtime

Battery Type Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof

Included Battery Modules	2
Typical recharge time	2.50 hour(s)
Replacement Battery	RBC44
RBC™ Quantity	1
Extended Run Options	APC Smart-UPS RT 3000VA Rack Mount 208V with 208V to 120V Step-Down Transformer

Runtime Graph

Curve	Part Number(s)
A	SURTD3KRMXL3U-TF5
B	SURTD3KRMXL3U-TF5 + (1)SURT192RMXLP3U
C	SURTD3KRMXL3U-TF5 + (2)SURT192RMXLP3U
D	SURTD3KRMXL3U-TF5 + (3)SURT192RMXLP3U
E	SURTD3KRMXL3U-TF5 + (4)SURT192RMXLP3U



Hover over the line on the graph above to view the runtime at any desired load

Curve fit to measured runtime data. All measurements taken with new, fully charged batteries, at typical environmental conditions, with no electrical input and balanced resistive load (PF = 1.0)

output.

[View Enlarged Graph](#)

[View Runtime Chart](#)

Communications & Management

Interface Port(s)	RJ-45 10 Base-T, SmartSlot
Available SmartSlot™ Interface Quantity	1
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	480 Joules
Filtering	Full time multi-pole noise filtering : 0.3% IEEE surge let-through : zero clamping response time : meets UL 1449

Physical

Maximum Height	218.00 mm
Maximum Width	483.00 mm
Maximum Depth	660.00 mm
Rack Height	5U
Net Weight	100.45 KG
Shipping Weight	117.27 KG
Shipping Height	601.00 mm
Shipping Width	603.00 mm
Shipping Depth	980.00 mm
Color	Black

Environmental

Operating Environment	0 - 40 °C
Operating Relative Humidity	0 - 95%
Operating Elevation	0 - 2000 meters

Operating Elevation	0-5000 meters
Storage Temperature	-15 - 45 °C
Storage Relative Humidity	0 - 95%
Storage Elevation	0-15000 meters
Audible noise at 1 meter from surface of 55.00 dBA unit	
Online Thermal Dissipation	636.00 BTU/hr

Conformance

Regulatory Approvals	CSA, FCC Part 15 Class A, UL 1778
Standard Warranty	2 years repair or replace

Sustainable Offer Status

**The time to recharge to 90% of full battery capacity following a discharge to shutdown using a load rated for 1/2 the full load rating of the UPS.