

**Smart-UPS On-Line**

**APC Smart-UPS RT 1500VA Rack Tower 120V**

SURTA1500RML2U

Email Technical Specifications

Printer Friendly

**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)



APC Smart-UPS On-Line, 1050 Watts / 1500 VA, Input 120V / Output 120V, Interface Port DB-9 RS-232, Smart-Slot, USB, Extended runtime model, Rack Height 2 U

**Includes:** CD with software, Documentation CD, Installation guide, Rack Mounting support rails, Smart UPS signalling RS-232 cable, USB cable, User Manual


**Standard Lead Time:** Usually in Stock




[Technical Specifications](#) [Product Overview](#) [Documentation](#) [Software & Firmware](#) [Options](#) [Ratings and Reviews](#)

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

**Output**

Output Power Capacity	1050 Watts / 1500 VA
Max Configurable Power	1050 Watts / 1500 VA
Nominal Output Voltage	120V
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	(6) NEMA 5-15R 
Bypass	Built-in Bypass

**Input**

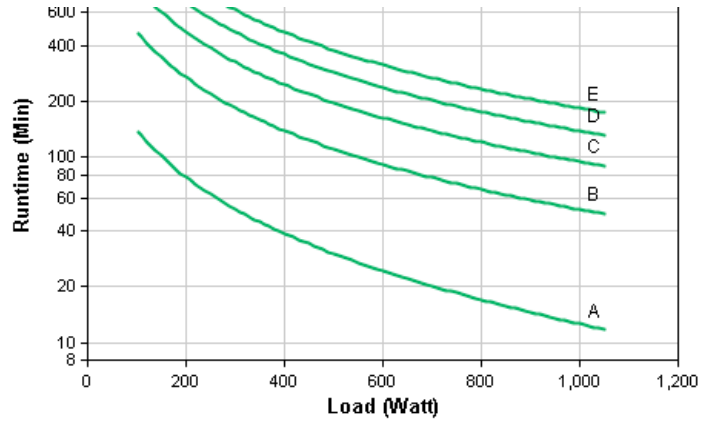
Nominal Input Voltage	120V
Input Frequency	50/60 Hz +/- 5 Hz (auto sensing)
Input Connections	NEMA 5-15P 
Cord Length	1.83 meters
Input voltage range for main operations	90 - 150V

**Batteries & Runtime**

Battery Type	Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof
Included Battery Modules	1
Typical recharge time	3 hour(s)
Replacement Battery	<a href="#">RBC57</a>
RBC™ Quantity	1
Extended Run Options	<a href="#">APC Smart-UPS RT 1500VA Rack Tower 120V</a>
Runtime Graph	



A	SURTA1500RML2U
B	SURTA1500RML2U + (1)SURTA48RMLBP2U
C	SURTA1500RML2U + (2)SURTA48RMLBP2U
D	SURTA1500RML2U + (3)SURTA48RMLBP2U
E	SURTA1500RML2U + (4)SURTA48RMLBP2U



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

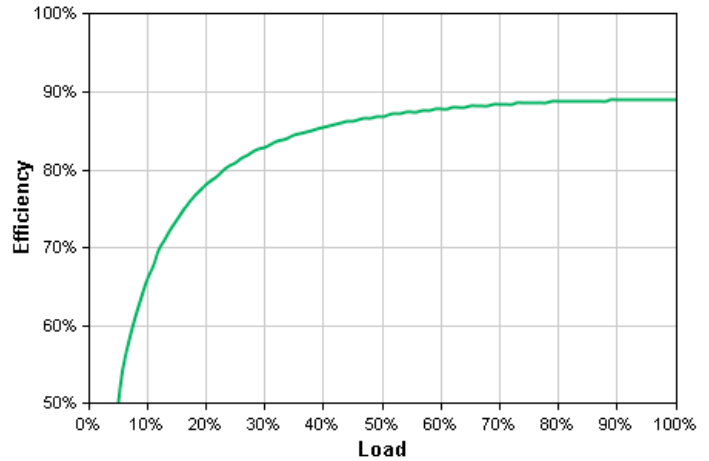
Curve fit to measured runtime data. All measurements taken with new, fully charged batteries, at typical environmental conditions, with no electrical input and balanced resistive load (PF = 1.0) output.

[View Enlarged Graph](#)

[View Runtime Chart](#)

### Energy Use/Efficiency

Load	Efficiency
25%	81.0%
50%	87.0%
75%	88.6%
100%	89.1%



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

Curve fit to measured efficiency data. All measurements taken in normal operating mode, at typical environmental conditions, with nominal electrical input and balanced resistive load (PF = 1.0) output.

[View Enlarged Graph](#)

### Communications & Management

Interface Port(s)	DB-9 RS-232, Smart-Slot, USB
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	540 Joules
Filtering	Full time multi-pole noise filtering : 0.3% IEEE surge let-through : zero clamping response time : meets UL 1449

**Physical**

Maximum Height	85.00 mm
Maximum Width	432.00 mm
Maximum Depth	559.00 mm
Rack Height	2U
Net Weight	27.50 KG
Shipping Weight	31.36 KG
Shipping Height	260.00 mm
Shipping Width	610.00 mm
Shipping Depth	737.00 mm
Color	Black
Units per Pallet	8.00

**Environmental**

Operating Environment	0 - 40 °C
Operating Relative Humidity	0 - 95%
Operating Elevation	0-3000 meters
Storage Temperature	-20 - 50 °C
Storage Relative Humidity	0 - 95%
Storage Elevation	0-15000 meters
Audible noise at 1 meter from surface of unit	45.00 dBA
Online Thermal Dissipation	437.00 BTU/hr

**Conformance**

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

**Sustainable Offer Status**

RoHS	Compliant
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\*\*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.