

## Smart-UPS RT

### **APC SMART-UPS RT 1500VA 120V**

APC Smart-UPS RT, 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, Smart UPS signalling RS-232 cable, USB cable, User Manual

**Standard Lead Time:** Usually in Stock



# Smart-UPS RT Features & 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 run time to be quickly added as needed.
Intelligent Battery Management	Maximizes battery performance, life, and reliability through intelligent, precision charging.
Hot-swappable batteries	Ensures clean, uninterrupted power to protected equipment while batteries are being replaced
Automatic restart of loads after UPS shutdown	Automatically starts up the connected equipment upon the return of utility power.
Temperature-compensated battery charging	Prolongs battery life by regulating the charge voltage according to battery temperature.

## Manageability

Network manageable	Provides remote management of the UPS over the network.
InfraStruXure Manager Compatible	Enables centralized management via the APC InfraStruXure® Manager.
SmartSlot	Customize UPS capabilities with management cards.
LED status indicators	Quickly understand unit and power status with visual indicators.
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.
Rack/Tower convertible	Protects the initial investment in the UPS when migrating from tower to rack-mount environment.
Flash-upgradeable firmware	Easy implementation of new firmware upgrades.

## Serviceability


User-replaceable batteries	Increases availability by allowing a trained user to perform upgrades and replacements of the batteries reducing Mean Time to Repair (MTTR)
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	Actively let you know if the unit is on battery, if the battery is low or if there is an overload condition.

## 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	Minimizes installation costs by enabling the use of smaller generators and

correction	cabling.
Generator Compatible	Ensures clean, uninterrupted power to the loads in the event of an extended power outage
Cold-start capable	Provides temporary battery power when the utility power is out.
Resettable circuit breakers	Enables a quick recovery from overload events.
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. UL, FCC, CE, C-Tick approvals.

# 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	
Waveform Type	Sine wave	
Output Connections	(6) NEMA 5-15R	
Bypass	Built-in Bypass	

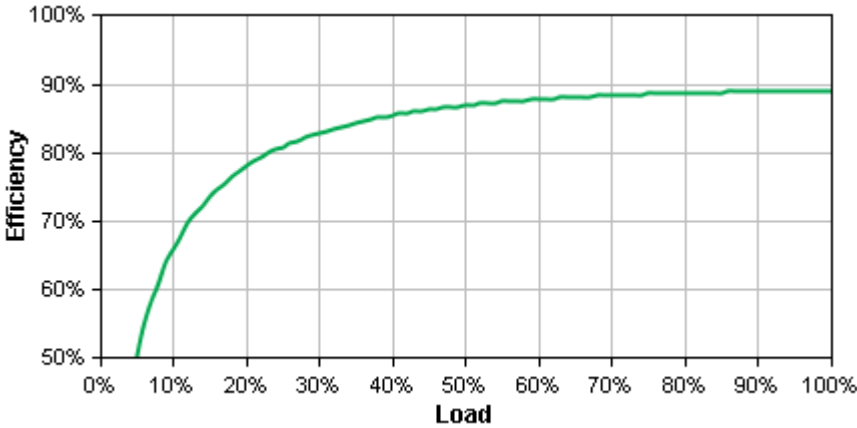
# Input

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> , <a href="#">SURTA48XLBP</a> , <a href="#">SURTA48RMXLBP2U</a>
RBC™ Quantity	1
Typical Backup Time at Half Load	22.2 minutes (525 Watts)
Typical Backup Time at Full Load	8.6 minutes (1050 Watts)
Runtime Chart	<a href="#">Smart-UPS RT</a>
Extended Run Options	<a href="#">APC SMART-UPS RT 1500VA 120V</a>

# Energy Use/Efficiency



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

# 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
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# Physical

Maximum Height	432.00 mm
Maximum Width	85.00 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%
Operating Elevation	0-3000 meters
Storage Temperature	-20 - 50 °C
Storage Relative Humidity	0%
Storage Elevation	0-15000 meters
Audible noise at 1 meter from surface of unit	45.00 dBA
Online Thermal Dissipation	393.00 BTU/hr

## Conformance

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

\*\*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.