

Back-UPS RS Features & Benefits

Protection

Battery-protected and surge-only outlets

Reserves power capacity and run time for connected equipment that require battery back-up while providing surge only protection for less critical equipment

Boost and Trim Automatic Voltage Regulation (AVR)

Gives higher application availability by correcting low and high voltage conditions without using the battery.

Data line surge protection

Provides protection of connected equipment from power surges on the data lines.

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.

Power conditioning

Protects connected loads from surges, spikes, lightning, and other power disturbances.

Convenience

Audible Alarms

Provides notification of changing utility power and UPS conditions.

Automatic restart of loads after UPS shutdown

Automatically starts up the connected equipment upon the return of utility power.

Automatic self-test

Periodic battery self-test ensures early detection of a battery that needs to be replaced.

Battery replacement without tools

Allows quick, easy battery replacement.

LED status indicators

Quickly understand unit and power status with visual indicators.

Cold-start capable

Provides temporary battery power when the utility power is out.

Hot-swappable batteries

Ensures clean, uninterrupted power to protected equipment while batteries are being replaced

Resettable circuit breakers

Enables a quick recovery from overload events.

Transformer-block spaced outlets

Protect equipment with input transformer blocks without blocking access to other receptacles.

User-replaceable batteries

Increases availability by allowing a trained user to perform upgrades and replacements of the batteries reducing Mean Time to Repair (MTTR)

Manageability

Adjustable voltage sensitivity

Provides the ability to adapt the UPS for optimal performance in specific power environments or generator applications.

Adjustable voltage-transfer points

Maximizes useful battery life by widening the input voltage window or tightening the output voltage regulation.

Serial Connectivity

Provides management of the UPS via a serial port.

USB Connectivity

Provides management of the UPS via a USB port (not available on all models).

Multiple mounting methods

Allows for standardization on one product for use in different environments.

Intelligent battery management

Micro-processor controlled battery charging and diagnostic testing ensures maximum battery life.

Product Distribution

argentina, bermuda, bolivia, brazil, canada, chile, colombia, costa rica, dominican republic, ecuador, el salvador, guatemala, honduras, jamaica, mexico, netherlands antilles, nicaragua, panama, paraguay, peru, puerto rico, trinidad and tobago, united states, uruguay, venezuela

Topology

Line Interactive

Output

Output Power Capacity

540 Watts / 800 VA

Max Configurable Power

540 Watts / 800 VA

Nominal Output Voltage

120V

Output Connections

(3) NEMA 5-15R (Surge Protection)



(4) NEMA 5-15R (Battery Backup)



Input

Nominal Input Voltage

120V

Input Frequency

47 - 63 Hz

Input Connections

NEMA 5-15P



Cord Length

6 feet (1.83 meters)

Input voltage range for main operations

88 - 139V

Input voltage adjustable range for mains operation

78 - 152V

Batteries & Runtime

Battery Type

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

Included Battery Modules

1

Typical recharge time

8 hour(s)

Replacement Battery

[RBC32](#)

RBC™ Quantity

1

Typical Backup Time

at Half Load

17.3 minutes (270 Watts)

Typical Backup Time

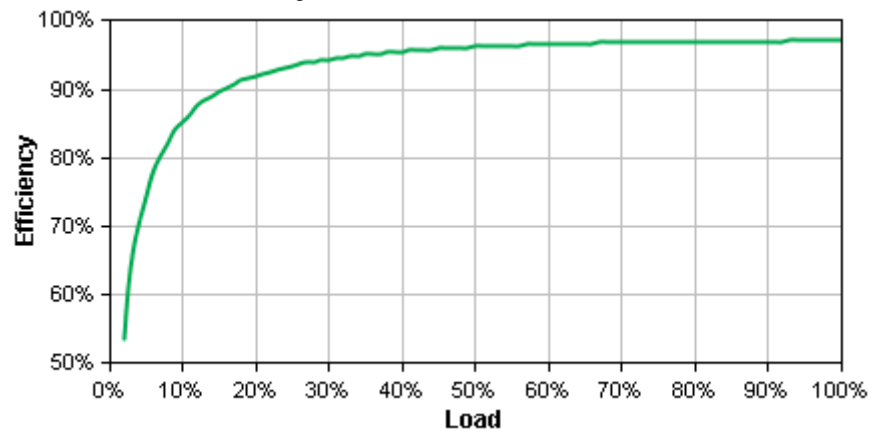
at Full Load

5.1 minutes (540 Watts)

Runtime Chart

[Back-UPS RS](#)

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.

[View Enlarged Chart](#)

Communications & Management

Control panel

LED status display with On Line : On Battery : Replace Battery and Overload indicators

Audible Alarm

Alarm when on battery : distinctive low battery alarm : configurable delays

Surge Protection and Filtering

Surge energy rating

320 Joules

Filtering

Full time multi-pole noise filtering : 5% IEEE surge let-through : zero clamping response time : meets UL 1449

Data Line Protection

RJ-11 Modem/Fax/DSL protection (two wire single line),RJ45 10/100 Base-T Ethernet protection

Physical

Maximum Height

9.00 inches (229 mm)

Maximum Width

4.00 inches (102 mm)

Maximum Depth

12.76 inches (324 mm)

Net Weight

20.50 lbs. (9.32 kg)

Shipping Weight

22.50 lbs. (10.24 kg)

Shipping Height

12.00 inches (305 mm)

Shipping Width

9.00 inches (229 mm)

Shipping Depth

17.00 inches (432 mm)

Master Carton Units

1.00

Color

Black

Units per Pallet
40.00

Environmental

Operating Environment
32 - 104 °F (0 - 40 °C)

Operating Relative Humidity
0%

Operating Elevation
0-10000 feet (0-3000 meters)

Storage Temperature
23 - 113 °F (-5 - 45 °C)

Storage Relative Humidity
0%

Storage Elevation
0-50000 feet (0-15000 meters)

Audible noise at 1 meter from surface of unit
45.00 dBA

Online Thermal Dissipation
170.00 BTU/hr

Conformance

Regulatory Approvals
CSA,FCC Part 15 Class B,FCC Part 68,UL 1449,UL 1778,UL Listed

Standard Warranty
3 years repair or replace

Equipment protection policy
Lifetime : \$150000