

Model RST Series



Uninterruptible On-Line Power System



FEATURES

- **Advanced Battery Management**
- **Dual Conversion On-Line Technology**
- **Static Bypass Switch Standard**
- **Power Isolation**
- **Remote Emergency Power Off**
- **UPS Code II Compliant**

DESCRIPTION

The PowerWorks RS series Uninterrupted Power System is designed for mid-sized computer networks and other sensitive electronic equipment. The RS series provides quality power protection in a range from 2.1 to 6KVA and in stand alone as well as rack mounted configurations. Using Dual Conversion On-line Technology, this system is a true on-line UPS that delivers excellent voltage regulation, a bidirectional filter and extremely low input current distortion. Further, the RS Series assures quiet operation along with powerful performance.

The low profile cabinet has the smallest footprint available anywhere in its power range. This “feature-rich” UPS comes standard with Advanced Battery Management that increases battery life and speeds up the charge time. The RS Series comes standard with a

communication interface consisting of an RS-232 port and a 6 foot cable that can be connected to a host computer to monitor the entire system operation. The LanSafe Software package even allows the testing of all RS Series power systems in the network from a single workstation.

The front display panel offers sophisticated user-friendly controls and indicators that monitor the operational status, AC line condition, battery capacity, load level, and service requirements.

To meet our customers’ special requirements, the RS Series offers wide selection of system-enhancing options. The RS Series Uninterrupted Power System is the logical choice for the user who cannot afford down time during a power outage but still demands quality, reliability, and versatility in a power protection system.

SPECIFICATIONS

ELECTRICAL INPUT

Power Ratings

2.1, 3.1

Voltage

120VAC Nominal for 2.1/3.1KVA; to +22%, Auto-configurable

Frequency

50/60Hz, ± 3 Hz, Auto-Sensing

Power Factor

0.99 Active Correction

ELECTRICAL OUTPUT

Voltage

120VA Nominal for 2.1/3.1KA

Regulation

$\pm 2\%$

Efficiency

$>94\%$ @ Typical Full Load

Overload Rating

300% of Full Load for 10 Cycles

150% of Full Load for 30 Seconds

125% of Full Load for 20 Minutes



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SPECIFICATIONS

Model RST Series

INTERNAL BATTERY

Type

Valve Regulated, Sealed, Lead Acid

Backup Time

10-15 Minutes @ Full Load (Standard Internal Battery Pack)

Recharge Time

<3 Hours to 90% Capacity
8-24 Hours to 100% Capacity

PHYSICAL

Operating Temperature

0 to 40°C (Recommended 25°C Operation for Maximum Battery Life)

Operating Humidity

0 to 95% RHNC

Operating Altitude

To 10,000ft (3000m)

Audio Noise

<49dB @ 45% Load @ 25°C @ 1 meter

DIMENSIONS (W X H X D)

Tower Cabinets

6.8 x 16 x 23"
(17.2 x 40.6 x 58.4mm)

Rack Cabinets

17.5 x 6.8 x 23"
(44.5 x 17.2 x 58.4mm)

Weight

Dependent on Internal Battery Configuration (KVA/Backup Time Ratings)

Maximum Battery Backup Times and Options - RST21

Internal Batteries	
% Load	
100	15
75	22
50	33
25	97

Maximum Battery Backup Times and Options - RST31

Internal Batteries	
% Load	
100	10
75	12
50	21
25	41

ORDERING GUIDE

STAND-ALONE MODELS

Model RST21NET

2.1KVA, 120/120VAC In/Out, 125lbs

Model RST31NET

3.1KVA, 120/120VAC In/Out, 135lbs

Rack Mount Models

(Rack Mount Chassis Include Rack Mounting Ears — Cabinet/Rack Mounting Hardware, i.e. Angle Brackets, Are User Provided.)

Model RSR21NET

2.1KVA, 120/120VAC In/Out, 135lbs

Model RSR31NET

3.1KVA, 120/120VAC In/Out, 140lbs

FACTORY INSTALLED OPTIONS

Model RS3OPZ

Mechanical Bypass Switch

Model RSSB

Start without AC on Battery

Additional Battery Units

(Up to Three Battery Units May be Added to Chassis in Daisy Chain to Increase Battery Backup Time.)



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