



# CENTURION RT

1000VA | 2000VA | 3000VA



The Centurion RT features true online double conversion. As our highest single phase power density UPS, this sophisticated range will provide the most comprehensive protection for mission critical devices such as sensitive networks, computers, servers, telecom applications, as well as industrial applications. Meticulously developed by PowerShield engineers to be a world leading technology UPS, the Centurion RT addresses absolutely all requirements and features as has been demanded by the sophisticated Australian power consumer and hence stands in a class of its own, as a world leading UPS technology.

## FEATURES

### EXCEPTIONAL SURGE PROTECTION

Offering the best surge protection in its class to protect against damaging surges.

### OUTPUT POWER FACTOR

The Centurion RT is high-density UPS with output power factor (PF = 0.9) to provide higher performance and efficiency to critical applications.

### INFORMATIVE & EASY-SHIFT LCD DISPLAY

The front panel LCD display panel is readily viewable whether the UPS is horizontal or vertical. It displays all critical and noncritical parameters, including remaining battery backup time.

### RACK/TOWER DESIGN

The Centurion RT can be easily installed as a floor-standing tower or in a 19-inch rack.

### PROGRAMMABLE OUTLETS

This UPS comes with programmable power management outlets allowing the user to control the load segments, thereby extending battery backup times to mission critical devices by shutting down non-critical items.

### EMERGENCY POWER OFF FUNCTION (EPO)

This feature can turn off and isolate the UPS in the event of fires or other emergencies.

### ECO & ADVANCED ECO MODE

It has an advanced ECO mode, which allows the UPS to operate at a very high efficiency, up to 98%.

### EXPANDABLE BACKUP TIME

Increase backup time by adding external battery banks.

### REAR VIEW

Centurion RT 1000 (L) 10Amp IEC input socket



Centurion RT 2000/2000SB 10Amp IEC input socket



Battery Bank PSRTBB6



Centurion RT 2000 (L) 16Amp IEC input socket



Centurion RT 3000 (L) 16Amp IEC input socket



Battery Bank PSRTBB12



### HID COMMUNICATION VIA USB

HID can be used for simple management with Windows, Apple, Linux and NAS devices and a large variety of industrial controllers that support HID. HID can also be used for safe and orderly shutdown.

### NETGUARD SOFTWARE COMMUNICATION VIA USB

The free, downloadable NetGuard software provides complete power monitoring. Parameters such as input/output voltage, battery capacity and load level are easily viewed. It also ensures a safe and orderly shutdown in the event of a prolonged outage.

### HOT SWAPPABLE BATTERIES

Battery banks are hot-swappable. This keeps the UPS operational during battery replacement.

### STANDARD EXTRA LARGE CHARGER

The Centurion RT comes with a larger charger than other UPSs ensuring rapid recharge times.

### OPTIONAL ACCESSORIES

- PSSNMPV4 – SNMP card (option to connect a PSEMD)
- PSEMD – Environmental Monitoring Device for temperature humidity
- PSModbus – Modbus card
- PSAS400 – AS400 dry contact card
- PSRK – 1RU rail kit
- PSRTBB6, PSRTBB8, PSRTBB12 – Extra battery bank
- PSMBSS2k, PSMBSS3k – Maintenance Bypass Switches



AUSTRALIAN DESIGNED  
POWER PROTECTION  
SOLUTIONS



**CENTURION RT RANGE TOWER SELECTION GUIDE**

| MODEL                           |                       | CENTURION RT 1KVA & 1KVA (L)   | CENTURION RT 2KVA (SB) | CENTURION RT 2KVA & 2KVA (L) | CENTURION RT 3KVA & 3KVA (L) | RT BATTERY BANKS  |                     |                              |
|---------------------------------|-----------------------|--|------------------------|------------------------------|------------------------------|-------------------|---------------------|------------------------------|
| Model Number                    |                       | PSCERT1000 / PSCERT1000L   | PSCERT2000SB           | PSCERT2000 / PSCERT2000L     | PSCERT3000 / PSCERT3000L     | PSRTBB6           | PSRTBB8             | PSRTBB12                     |
| Capacity                        |                       | 1000VA/900W  | 2000VA/1800W           |                              | 3000VA/2700W                 | Suits PSCERT 1000 | Suits PSCERT 2000SB | Suits PSCERT2000/ PSCERT3000 |
| Topology                        |                       | True online double-conversion, Pure Sine Wave  |                        |                              |                              |                   |                     |                              |
| INPUT                           |                       |  |                        |                              |                              |                   |                     |                              |
| Voltage Range                   | Low Line Transfer     | 160VAC / 140VAC / 120 / 110VAC ± 5 %<br>(based on load percentage 100%–80% / 80%–70% / 70%–60% / 60%–0)    |                        |                              |                              |                   |                     |                              |
|                                 | Low Line Comeback     | 175VAC / 155VAC / 135VAC / 125VAC ± 5 %  |                        |                              |                              |                   |                     |                              |
|                                 | High Line Transfer    | 300VAC ± 5 %   |                        |                              |                              |                   |                     |                              |
|                                 | High Line Comeback    | 290VAC ± 5 %   |                        |                              |                              |                   |                     |                              |
| Frequency Range                 |                       | 40Hz–70Hz  |                        |                              |                              |                   |                     |                              |
| Phase                           |                       | Single phase with ground   |                        |                              |                              |                   |                     |                              |
| Power Factor Correction         |                       | 0.99 @ nominal voltage (100% load)   |                        |                              |                              |                   |                     |                              |
| OUTPUT                          |                       |  |                        |                              |                              |                   |                     |                              |
| Output Power Factor             |                       | 0.9  |                        |                              |                              |                   |                     |                              |
| Output Voltage (AC Mode)        |                       | 240VAC (Selectable 200/208/220/230/240VAC)   |                        |                              |                              |                   |                     |                              |
| Voltage Regulation (Batt. Mode) |                       | ± 1%   |                        |                              |                              |                   |                     |                              |
| Frequency Range (Batt. Mode)    |                       | 50Hz or 60Hz ±1Hz  |                        |                              |                              |                   |                     |                              |
| Current Crest Ratio             |                       | 3:1 (max.)   |                        |                              |                              |                   |                     |                              |
| Transfer                        | AC Mode to Batt. Mode | Zero   |                        |                              |                              |                   |                     |                              |
|                                 | Inverter to Bypass    | 4ms (Typical)  |                        |                              |                              |                   |                     |                              |
| Waveform (Batt. Mode)           |                       | Pure Sine Wave   |                        |                              |                              |                   |                     |                              |
| IEC Outlets                     |                       | 10A, C13 x 5   |                        |                              | 10A, C13 x 5<br>16A, C19 x 1 |                   |                     |                              |
| Australian Sockets              |                       | 3  |                        |                              | 2                            |                   |                     |                              |
| EFFICIENCY                      |                       |  |                        |                              |                              |                   |                     |                              |
| ECO Mode (Advanced)             |                       | 96%  | 97%                    | 97%                          |                              |                   |                     |                              |
| Battery Mode                    |                       | 86%  | 87%                    | 87%                          |                              |                   |                     |                              |
| BATTERY                         |                       |  |                        |                              |                              |                   |                     |                              |
| Battery Number (12 V*9AH)       |                       | x 3  | x 4                    | x 6                          | x 6                          | x 6               | x 8                 | x 12                         |
| Typical Recharge Time           |                       | 4 hours recover to 90% capacity (for standard model only)  |                        |                              |                              |                   |                     |                              |
| Charging Current (max.)         |                       | Standard Models – 1.5Amp. Long Run Models – 1Amp / 2Amp / 4Amp / 6Amp selectable (factory default is 6Amp) |                        |                              |                              |                   |                     |                              |
| PROTECTION                      |                       |  |                        |                              |                              |                   |                     |                              |
| Full Protection                 |                       | Overload, discharge, thermal, short circuit and overcharge protection                                      |                        |                              |                              |                   |                     |                              |
| Surge Protection                |                       | 984 Joules / 22000 Amps  |                        |                              |                              |                   |                     |                              |
| COMMUNICATIONS AND MANAGEMENT   |                       |  |                        |                              |                              |                   |                     |                              |
| Interface                       |                       | USB or RS232 as standard, Intelligent slot for PSSNMP, PSModbus or PSAS400 dry con-tact                    |                        |                              |                              |                   |                     |                              |
| Software                        |                       | PowerShield® NetGuard® software – supports Windows, Linux, Unix and Mac based operating systems            |                        |                              |                              |                   |                     |                              |
| HID                             |                       | Supports Windows, Apple, Linux, NAS and various industrial controllers                                     |                        |                              |                              |                   |                     |                              |
| LCD Display/Alarm               |                       | UPS Status, Load & Battery Level, Input/Output Voltage, Batt. Time Remaining and Fault Indicators          |                        |                              |                              |                   |                     |                              |
| Audible Alarm                   |                       | Battery Mode, Bypass Mode, Low Battery (Batt. Mode), Fault, Overload                                       |                        |                              |                              |                   |                     |                              |
| PHYSICAL                        |                       |  |                        |                              |                              |                   |                     |                              |
| Dimensions (D x W x H) mm       |                       | 380 x 438 x 88   | 480 x 438 x 88         | 600 x 438 x 88               | 600 x 438 x 88               | 480 x 438 x 88    | 480 x 440 x 88      | 600 x 438 x 88               |
| Weight (kg)                     |                       | 15.2   | 8.4                    | 19.5                         | 25.6                         | 10.5              | 26.8                | 11.6                         |
|                                 |                       |  |                        |                              |                              |                   | 24.8                | 29.1                         |
|                                 |                       |  |                        |                              |                              |                   |                     | 42                           |
| OPERATING ENVIRONMENT           |                       |  |                        |                              |                              |                   |                     |                              |
| Temperature                     |                       | 0–40°C   |                        |                              |                              |                   |                     |                              |
| Humidity                        |                       | 20–90% (RH Non-condensing)   |                        |                              |                              |                   |                     |                              |
| Noise Level                     |                       | < 50dBA @ 1 Meter  |                        |                              |                              |                   |                     |                              |
| COMPLIANCE                      |                       |  |                        |                              |                              |                   |                     |                              |
| Safety / EMC / RoHS             |                       | EN62040-1-1 2003, IEC60950-1-1 / EN62040-2 2006 / Directive 2011/65/EU                                     |                        |                              |                              |                   |                     |                              |

Specifications are subject to change without prior notice. Models ending in 'L' are long run models with larger chargers and therefore have no internal batteries  
Centurion 2000L and 3kVA models require a 16 Amp wall socket.