



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.
- **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
- PSMB52k, PSMB53k – Maintenance Bypass Switches



MODEL		CENTURION RT 1KVA & 1KVA (L)	CENTURION RT 2KVA (SB)	CENTURION RT 2KVA & 2KVA (L)	CENTURION RT 3KVA & 3KVA (L)				
Model Number		PSCERT1000 / PSCERT1000L	PSCERT2000SB	PSCERT2000 / PSCERT2000L	PSCERT3000 / PSCERT3000L				
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 % (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, C13x5 / 16A, C19x1					
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	
		15.2	8.4	19.5	25.6	10.5	24.8	291	42
		Weight (kg)							
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.