

Centurion RT

1000VA | 2000VA | 3000VA



True Online Double Conversion UPS



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%. When the utility mains input voltage is within the ECO range the UPS saves energy by passing the mains supply directly through to the load, while the inverter continues to operate in a passive mode.

Standard extra large charger

- The Centurion RT has been designed with a larger charger than other UPSs ensuring rapid recharge times when adding additional battery banks.
- Long run models available.

Hot swappable batteries

- Battery banks are hot-swappable. This keeps the UPS operational during battery replacement. Battery banks can be added to increase battery backup time.

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
- PSMBS2k, PSMBS3k - Maintenance Bypass Switches



DESIGNED BY AUSTRALIANS FOR AUSTRALIAN CONDITIONS



CENTURION RT RANGE SELECTION GUIDE

MODEL	CENTURION RT 1K & 1K (L)	CENTURION RT 2K (SB)	CENTURION RT 2K & 2K (L)	CENTURION RT 3K & 3K (L)	RT BATTERY BANKS					
Model Number	PSCERT1000/PSCERT1000L	PSCERT2000SB	PSCERT2000/PSCERT2000L	PSCERT3000/PSCERT3000L	PSRTBB6	PSRTBB8	PSRTBB12			
Capacity	1000VA/900W	2000VA/1800W		3000VA/2700W	Suits PSCERT1000	Suits PSCERT2000SB	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									
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 contact									
Software	PowerShield® NetGuard® software - supports Windows, Linux, Unix and Mac based operating systems									
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										
Dimension, (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

