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

PREMIUM PROTECTION DOUBLE CONVERSION

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

PowerShield

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 MANAGMENT								
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	500 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 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