

PowerShield®



As a true online double conversion UPS the Centurion RT is our highest single phase power density UPS. Boasting an output power factor of 0.9, this sophisticated UPS will provide the most comprehensive protection for mission critical devices.

The Centurion RT has an energy saving Advanced ECO mode, which allows the unit to operate at 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.

The Centurion RT incorporates hot-swappable internal battery packs which can be accessed via the front panel for maintenance changes, keeping the UPS operational during battery replacement. Battery backup time can be increased by simply adding additional Battery Banks. The standard Centurion RT has been designed with a larger charger than others ensuring rapid recharge times when adding additional battery banks.

The LCD display panel is readily viewable whether the UPS is horizontal or vertical. The display Menu is simple and intuitive. It displays all critical and noncritical parameters, including the estimated battery backup time remaining. This UPS comes with programmable power management outlets allowing the user to control load segments, thereby extending battery backup times to mission critical devices by shutting down noncritical items.

The Centurion RT has been meticulously developed by Power Shield engineers to address absolutely all requirements and features as has been demanded by the sophisticated Australian power consumer and hence the Centurion RT stands in a class of its own, as a world leading UPS technology.

Optional Accessories

- PSSNMP - 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, PSRTBB12 - Extra battery bank
- PSMB2k, PSMB3k - Maintenance Bypass Switch



Centurion RT



features

- Surge Protection Best in its Class - 984 Joules / 22000 Amps
- True online double-conversion
- Power factor 0.9
- Extra large charger for rapid recharging
- Option to add additional battery banks to increase backup time
- User-friendly, electronic easy-shift LCD display
- Rack or Tower design
- Advanced ECO mode for energy saving
- Generator compatible
- Programmable power management outlets
- EPO - Emergency Power Off function
- Hot swappable battery design
- Available in 1000, 2000 and 3000 VA models
- USB, RS232, SNMP, Modbus, Environmental Monitoring and AS400 multiple communications available



THE AUSTRALIAN UPS COMPANY



CENTURION RT							BATTERY BANKS		
Model	PSCERT1000	PSCERT1000(L)	PSCERT2000	PSCERT2000(L)	PSCERT3000	PSCERT3000(L)	PSRTBB6	PSRTBB12	
Capacity	1000VA/900W		2000VA/1800W		3000VA/2700W		Suits PSCERT1000	Suits PSCERT2000 and PSCERT3000	
Topology	True online double - conversion, Pure Sine Wave								
INPUT									
Voltage Range	Low Line Transfer	160Vac / 140Vac / 120Vac / 110Vac ± 5 % (based on load percentage 100% - 80% / 80% - 70% / 70% - 60% / 60% - 0)							
	Low Line Comeback	170Vac / 150Vac / 130Vac / 120Vac ± 5 %							
	High Line Transfer	300Vac ± 5 %							
	High Line Comeback	290Vac ± 5 %							
Frequency Range		40 Hz - 70 HZ							
Phase		Single phase with ground							
Power Factor Correction		≥ 0.99 @ nominal voltage (100% load)							
OUTPUT									
Output Voltage (AC Mode)		240Vac (Selectable 200/208/220/230/240Vac)							
Voltage Regulation (Batt. Mode)		± 1%							
Frequency Range (Batt. Mode)		50Hz or 60 Hz ± 1%							
Current Crest Ratio		5:1 (max.)							
Transfer Time	AC to Battery Mode	Zero							
	Inverter to Bypass	4ms (Typical)							
EFFICIENCY									
ECO Mode (Advanced)		98%	98%		98%				
Battery Mode		88%	89%		90%				
BATTERY									
Battery Type & Number		12 V/9AH (x3)	12 V/9AH (x6)		12 V/9AH (x6)		12 V/9AH (x6)	12 V/9AH (x12)	
Typical Recharge Time		4 hours recover to 90% capacity (for standard model only)							
Charging Current (max.)		Standard Models - 1.5Amp, Long Run Model - 1Amp / 2Amp / 4mp / 6Amp (factory default is 6 Amp)							
PROTECTION									
Full Protection		Overload, discharge, thermal, short circuit and overcharge protection					DC circuit breaker		
Surge Protection		1344 Joules / 26000Amps							
COMMUNICATIONS & MANAGEMENT									
Interface		USB or RS232 as standard, Intelligent slot for PSSNMP, PSModbus or PSAS400 dry contact							
Software		Power Shield® NetGuard® software - supports Windows based operating systems, Linux, Unix and Mac							
LCD Display/Alarm		UPS Status, Load & Battery Level, Input/Ouput 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)		(380 x 438 x 88) mm	(600 x 438 x 88) mm		(600 x 438 x 88) mm		(480 x 438 x 88) mm	(600 x 438 x 88) mm	
Weight (Net)		15kg	9kg	27kg	12kg	28kg	13kg	25kg	43kg
OPERATING ENVIRONMENT									
Temperature		0 - 40° C							
Humidity		20 - 90% (RH Non-condensing)							
Noise Level		Less than 50dBA @ 1Meter							
COMPLIANCE									
Safety		EN62040-1 -1 2003, IEC 60950-1 -1							
EMC		EN62040-2 2006							
RoHS		Directive 2011/65/EU							

* Specifications are subject to change without prior notice.

* UPS output capacity is calculated at PF = 0.7

* Models ending in "L" are long run models with larger chargers and therefore have no internal batteries

PSCERT1000(L)



PSCERT2000



PSCERT2000L



PSCERT3000(L)



PSRCRTBB6



PSRCRTBB12

