

PowerShield®

As a true online double conversion UPS the Centurion RT is our highest single phase power density UPS. Boasting a 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 and humidity
- PSModbus - Modbus card
- PSAS400 - AS400 dry contact card
- PSRK - 1RU rail kit
- PSRTBB6, PSRTBB12 - Extra battery bank
- PSMB52k, PSMB53k - 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 Trasfer	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 Trasfer	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 208/220/230/240Vac)							
Voltage Regulation (Batt. Mode)		±1%							
Frequency Range (Batt. Mode)		50Hz or 60Hz ±1Hz							
Current Crest Ratio		5:1 (max.)							
Transfer Time		4ms (Typical)							
EFFICIENCY									
ECO Mode (Advanced)		98%		98%		98%			
Battery Mode		86%		87%		87%			
BATTERY									
Battery Type & Number		12 V*9AH (x 3)		12 V*9AH (x 6)		12 V*9AH (x 6)		12 V*9AH (x 6)	12 V*9AH (x 12)
Typical Recharge Time		4 hours recover to 90% capacity (for standard model only)							
Charging Current (max.)		Standard Model -1.5Amp, Long Run Model - 1Amp/2Amp /4Amp/6Amp (factory default is 6Amp)							
PROTECTION									
Full Protection		Overload, discharge, thermal, short circuit and overcharge protection							
Surge Protection		984 Joules / 22000 Amps							
COMMUNICATIONS & MANAGEMENT									
Interface		USB or RS232 as standard, Intelligent slot for PSSNMP, PSModbus or PSAS400 dry contact							
Software		PowerShield NetGuard® software - supports Windows based operating systems, Linux, Unix and Mac							
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)		(480 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		18kg	10kg	29.6kg	13.8kg	29.6kg	13.8kg	22kg	42kg
OPERATING ENVIRONMENT									
Temperature		0 - 40°C							
Humidity		20 - 90% (RH Non-condensing)							
Noise Level		< 50dBA @ 1 Meter							
COMPLIANCE									
Safety		EN62040-1-1 2003, IEC60950-1-1							
EMC		EN62040-2 2006							
RoHS		Directive 2011/65/EU							

PSCERT1000(L)



PSCERT2000



PSCERT2000L



PSCERT3000(L)



PSRTBB6



PSRTBB12

