CENTURION TOWER 110V

1000VA | 2000VA | 3000VA

The Centurion is a True Online Double Conversion UPS designed to provide comprehensive power protection for critical equipment. Versatile software management and hardware options offer the flexibility to build up a power protection solution to fit any application.

Meticulously developed by PowerShield engineers to be a world leading technology UPS, the Centurion Tower 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 protection in its class to protect against damaging surges.

OUTPUT POWER FACTOR

The Centurion Tower is a high-density UPS with output power factor (PF=0.9) to provide higher performance and efficiency to critical applications.

INFORMATIVE LCD DISPLAY

The front panel LCD display panel is readily viewable and displays all critical and noncritical parameters, including the estimated battery backup time remaining.

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.

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.

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 ensures a safe and orderly shutdown in the event of a prolonged power outage.

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.

BATTERY BANK EXTENSION OPTIONS

The Centurion Tower provides the option to increase battery backup time by simply adding additional battery banks.

To address the need for fast charging of multiple battery banks, PowerShield engineers have incorporated additional independent internal chargers into the PSCEBB18CH and PSCEBB60CH.

OPTIONAL ACCESSORIES

- PSSNMPV4 – SNMP card (option to connect a PSEMD)
- PSEMD – Environmental Monitoring Device
- PSModbus – Modbus card
- PSAS400 – AS400 dry contact card
- N+X parallel redundancy available for 6K/10K models
- Battery Banks – Backup time for all models is easily extended by simply plugging additional battery banks PSCEBB6, PSCEBB12, PSCEBB18CH, PSCEBB40, PSCEBB60CH
- External Maintenance Bypass Switches – PSMBS2k, PSMBS3k, PSMBSWPB6k, PSMBSWPB10k

AUSTRALIAN DESIGNED POWER PROTECTION SOLUTIONS

PowerShield

CENTURION TOWER SELECTION GUIDE				
MODEL		**1K**	**2K**	**3K**
Model Number		PSCE1000U	PSCE2000U	PSCE3000U
Capacity*		1000VA/1000W	2000VA/2000W	3000VA/3000W
INPUT				
Voltage Range	Low Line Transfer	80VAC/70VAC/60VAC/55VAC ± 5 % (based on load percentage 100% - 80 % / 80 % - 70 % / 70 - 60 % / 60 % - 0)		
	Low Line Comeback	87VAC/77VAC/67VAC/62VAC ± 5 %		
	High Line Transfer	150VAC ± 5 %		
	High Line Comeback	145VAC ± 5 %		
Frequency Range		40Hz–70 Hz		
Phase		Single phase with ground		
Power Factor		≥ 0.99 @ full load		
THDi		≤ 5% @ 100–130VAC THDU < 1.6% @ input and full linear load condition>		
OUTPUT				
Output voltage		100/110/115/120/127VAC		
AC Voltage Regulation		± 1% (Batt. Mode)		
Frequency Range (Synchronized Range)		47–53Hz or 57–63Hz		
Frequency Range		50Hz ± 0.1Hz or 60Hz ± 0.1Hz (Batt. Mode)		
Current Crest Ratio		3:1		
Harmonic Distortion		≤ 2 % THD (Linear Load) ; 4 % THD (Non-linear Load)		
Transfer Time	AC Mode to Batt. Mode	Zero		
	Inverter to Bypass	< 4 ms		
Waveform (Batt. Mode)		Pure Sinewave		
Outlets (NEMA)	Bank 1 (programmable)	2 x 5-15 (15A)	4 x 5-20 (20A)	4 x 5-20 (20A)
	Bank 2 (non-programmable)	4 x 5-15 (15A)	4 x 5-20 (20A)	4 x 5-20 (20A)
EFFICIENCY				
AC Mode		≥ 89% @ full charged battery		≥ 91% @ full charged battery
ECO Mode		≥ 96% @ full charged battery		
Battery Mode		≥ 88%		≥ 90%
BATTERY				
Battery Type		12V/9AH		
Numbers		3	6	6
Recharge Time		3 hours recover to 95% capacity for internal battery@ 2A charging current		
Charging Current		Default 2A, Max. 8A adjustable		
Charging Voltage		41VDC ± 1%	82.1VDC ± 1%	82.1VDC ± 1%
PHYSICAL				
C Dimension, D X W X H (mm)		397 X 145 X 220		421 X 190 X 318
Net Weight (kgs)	With battery	13	23.2	28.0
	Without battery	6.6	9.9	12.3
ENVIRONMENT				
Operation Humidity		20–95 % RH @ 0–40°C (non-condensing)		
Noise Level		Less than 50dBA @ 1 Meter (With fan speed control)		
MANAGEMENT				
Smart RS-232 or USB		Supports Windows® 2000/2003/XP/Vista/2008/7/8/10, Linux, Unix and MAC		
Optional SNMP		Power management from SNMP manager and web browser		

Derate capacity to 80% of capacity in frequency converter mode and to 80% when the output voltage is adjusted. For 100/110/115/120/127VAC system, the output power ratings are different based on different input voltage. Product specifications are subject to change without further notice.