

PowerShield®



The Centurion is designed to protect critical computer, communications, industrial, medical and other mission critical equipment.

A true online double conversion UPS, the Centurion is designed to guarantee trouble-free operation of protected equipment in any harsh electrical environment. Versatile management and hardware options offer the flexibility to build up a power protection solution to fit any application.

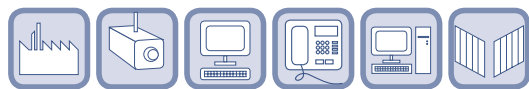
This range now comes with two sets of sockets on the back, one row of output sockets are programmable meaning that you can shed less important loads. This will leave additional valuable back up time to the equipment that is most critical.

This UPS includes a stylish, informative LCD display. applications include:

- critical servers
- small networks
- critical IT applications
- PLCs
- telecom applications
- security equipment
- manufacturing



Centurion Tower



features

- Surge Protection. Best in its Class.
- True Online Double Conversion
- Wide input voltage range (110-300 VAC)
- Input power factor correction 0.99
- 50Hz/ 60Hz frequency converter mode
- Programmable power outlets
- Emergency power off function (EPO)
- Optional Eco-mode operation for energy saving
- Generator compatible
- Backup time for all models is easily extended by simply plugging additional battery banks
- Charger capacity expansion to 8A for long-run models
- USB, RS232, SNMP and AS400 multiple communications available
- External maintenance bypass available for all models
- N + X parallel redundancy available for 6K/ 10K models
- Monitoring and Shutdown Software included

THE AUSTRALIAN UPS COMPANY



CENTURION TOWER

Model	PSCE1000 (L)	PSCE2000 (L)	PSCE3000 (L)	PSCE6000 (L)	PSCE10K (L)
Capacity	1000VA / 900W	2000VA / 1800W	3000VA / 2700W	6000VA / 5400W	10000VA / 9000 W
Topology	True online double - conversion				
INPUT					
Voltage Range	110 - 300VAC \pm 5% at 50% Load 160 - 300VAC \pm 5% at 100% Load				
Frequency Range	40Hz ~ 70Hz		46 ~ 54Hz 50Hz / 56 ~ 64Hz 60Hz		
Phase	Single phase with ground				
Power Factor	0.99 @ Nominal Voltage (100% load)				
OUTPUT					
Output Voltage	240VAC (Selectable 208/220/230/240 ac)				
AC Voltage Regulation (Batt. Mode)	\pm 1%				
Frequency Range (Synchronized Range)	47 ~ 53Hz or 57 ~ 63Hz		46 ~ 54Hz or 56 ~ 64Hz		
Frequency Range (Batt. Mode)	50Hz \pm 0.1Hz or 60Hz \pm 0.1Hz				
Current Crest Ratio	3:1				
Harmonic Distortion	\leq 2 % THD (Linear Load) \leq 4 % THD (Non-linear Load)		3 % THD (Linear Load) 6 % THD (Linear Load)		
Transfer	AC Mode to Batt. Mode	Zero			
	Inverter to Bypass	4 ms (Typical)			zero
Waveform (Batt. Mode)	Pure Sine Wave				
EFFICIENCY					
AC Mode	89%	90%		91%	
Battery Mode	88%	89%		89%	
BATTERY					
Battery Type	12V/9AH(x3)	12V/9AH(x6)	12V/9AH(x6)	12V/9AH(x20)	12V/9AH(x20)
Typical Recharge Time	4 hours recover to 90% capacity				
Charging Current (max.)	1.5A			1A	
Long Run Models	1/2/4/8A Selectable via LCD			4A	
PROTECTION					
Full Protection	Overload, discharge, thermal, short circuit and overcharge protection				
Surge Protection	1344Joules / 26000Amps			1320Joules / 39000Amps	
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 & Mac				
LCD Display / Alarm	UPS Status, Load Level, Battery Level, Input/Output Voltage, Battery Time Remaining and Fault Indicators				
Audible Alarm	Battery Mode, Low Battery , Overload, Fault				
PHYSICAL					
Dimensions (D x W x H)	396 x 145 x 240mm	425 x 190 x 335mm		575 x 250 x 576.5mm	
Weight Standard/L	14/7kg	26/13kg	28/15kg	81/24kg	83/27kg
OPERATING ENVIRONMENT					
Temperature	0-40° C				
Humidity	20-90% (RH Non-condensing)				
Noise Level	Less than 50dBA @ 1Meter			Less than 58dBA @ 1Meter	
COMPLIANCE					
Safety	EN62040-1-1 2003, IEC60950-1-1				
EMS	EN62040-2 2006				
RoHS	Directive 2001 / 65 / EU				

* Product specifications are subject to change without prior notice.

* L means long-run models with larger chargers and therefore have no internal batteries.



PSCE1000

PSCE2000

PSCE3000

PSCE6000

PSCE10K



CENTURION TOWER LOAD VA

VA	LOAD	PSCE1000	PSCEBB6	PSCEBB6	PSCEBB6	
1000VA	100%	12 minutes	45 minutes	80 minutes	115 minutes	
500VA	50%	25 minutes	105 minutes	170 minutes	250 minutes	
						
		PSCE2000	PSCEBB12	PSCEBB18CH	PSCEBB12	
2000VA	100%	12 minutes	50 minutes	115 minutes	145 minutes	
1000VA	50%	25 minutes	110 minutes	215 minutes	290 minutes	
						
		PSCE3000	PSCEBB12	PSCEBB18CH	PSCEBB12	
3000VA	100%	5 minutes	27 minutes	60 minutes	90 minutes	
1500VA	50%	16 minutes	60 minutes	145 minutes	185 minutes	
						
		PSCE6000	PSCEBB40	PSCEBB60CH	PSCEBB40	
6000VA	100%	13 minutes	50 minutes	110 minutes	170 minutes	
3000VA	50%	35 minutes	110 minutes	260 minutes	320 minutes	
						
		PSCE10K	PSCEBB40	PSCEBB60CH	PSCEBB40	
10KVA	100%	5 minutes	27 minutes	60 minutes	100 minutes	
5000VA	50%	16 minutes	60 minutes	145 minutes	205 minutes	
						
TOWER MODELS BATTERY BANKS						
MODEL		PSCEBB6	PSCEBB12	PSCEBB18CH	PSCEBB40	PSCEBB60CH
SUITS UPS		PSCE1000	PSCE2000/3000	PSCE2000/3000	PSCE6000/10K	PSCE6000/10K
BATTERY						
Type		12V/9AH	12V/9AH	12V/9AH	12V/9AH	12V/9AH
Number		6	12	18	40	60
Nominal DC		36Vdc	72Vdc	72Vdc	240Vdc	240Vdc
Charger		From UPS	From UPS	4Amps/8 Amps (selectable)	From UPS	4Amps/8 Amps (selectable)
PHYSICAL						
Dimensions D x W x H		397 x145 x 220mm	421 x 190 x 318mm	534 x 190 x 318mm	592 x 285 x 576mm	830 x 250 x 576mm
Weight Net/Gross KG		21/22Kg	40/42Kg	62/64Kg	125/132Kg	190/205Kg
PROTECTION		DC Circuit breaker				
VIRTUALLY UNLIMITED RUN TIMES CAN BE ACHIEVED BY ADDING BATTERY BANKS TO STANDARD MODELS						

Notes: Unlimited numbers of batteries banks can be added however it is recommended to add a Battery Bank that has an internal charger (PSCEBB18CH or PSCEBB60CH) if large battery banks are added and fast charging is required. Usually these should be added as the second, third or fourth battery bank depending on your requirements. When these battery banks with chargers are added, it is possible to substantially increase the number of regular battery banks. The following battery banks have built-in chargers. These also have more batteries than regular battery banks. PSCEBB18CH - Suits 2k & 3K
 • PSCEBB60CH - Suits 6k & 10K

