



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

- True Online Double Conversion
- Wide input voltage range (110-300 VAC)
- Input power factor correction 0.98
- 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 9A 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	PSCE2000	PSCE3000	PSCE6000	PSCE10K
Capacity	1000VA / 800W	2000VA / 1600W	3000 VA / 2400W	6000VA / 4800W	10000VA / 8000W
Topology	True online double-conversion				
<b>INPUT</b>					
Voltage Range	Low Line Transfer	160 VAC / 140 VAC / 120 VAC / 110 VAC $\pm$ 5 % (based on load percentage 100% - 80 % / 80 % - 70 % / 70 - 60 % / 60 % - 0)		176 VAC @ 100% load 110 VAC @ 50% load	
	Low Line Comeback	175 VAC $\pm$ 5 %		186 VAC @ 100% load 120 VAC @ 50% load	
	High Line Transfer	300 VAC $\pm$ 5 %		300 VAC	
	High Line Comeback	47.5Hz ~ 52.5 Hz or 57Hz ~ 63Hz		290 VAC	
Frequency Range	47.5Hz ~ 52.5 Hz or 57Hz ~ 63Hz		46~54 Hz 50Hz / 56~64Hz 60Hz		
Phase	Single phase with ground				
Power Factor	0.98		0.99 @ 100%load		
<b>OUTPUT</b>					
AC Voltage Regulation (Batt. Mode)	$\pm$ 3%		$\pm$ 1%		
Frequency Range (Synchronized Range)	48 ~ 52Hz or 57 ~ 63Hz		46~54Hz 50Hz/56~64Hz 60Hz		
Frequency Range (Batt. Mode)	50Hz $\pm$ 0.25Hz or 60Hz $\pm$ 0.3Hz		50Hz $\pm$ 0.1Hz or 60Hz $\pm$ 0.1Hz		
Load Crest Factor	3:1				
Harmonic Distortion	3 % THD (Linear Load) 6 % THD (Non-linear Load)	4 % THD (Linear Load) 7 % THD (Non-linear Load)	2 % 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 Sinewave				
<b>EFFICIENCY</b>					
ECO Mode	85%	88%	90%		
Battery Mode	83%		88%		
<b>BATTERY</b>					
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			7 hours recover to 90% capacity	7 hours recover to 90% capacity
Charging Current (max.)	1.0A			1.0A	
Charging Voltage	41.0 VDC $\pm$ 1%	82.1 VDC $\pm$ 1%		273.0 VDC	
<b>PROTECTION</b>					
Full Protection	Overload, discharge, thermal, short circuit and overcharge protection				
<b>COMMUNICATIONS &amp; MANAGEMENT</b>					
Interface	USB or RS232 as standard, Intelligent slot for PSSNMP or PSAS400 dry contact				
Software	Power Shield 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				
<b>PHYSICAL</b>					
Dimension (D x W x H)	(396 x 145 x 240) mm	(425 x 190 x 335) mm		(575 x 250 x 576.5) mm	
Weight	14kg	26kg	28kg	90kg	35kg 93kg 38kg
<b>OPERATING ENVIRONMENT</b>					
Temperature	0- 40°C				
Humidity	20-90 % (RH Non-condensing)				
Noise Level	Less than 45dBA @ 1 Meter			Less than 55dB @ 1 Meter	
<b>COMPLIANCE</b>					
Safety	EN62040-1-1 2003, IEC60950-1-1				
EMS	EN62040-2 2006				
RoHS	Directive 2001 / 65 / EU				

\* L means long-run model \* Product specifications are subject to change without further notice



CENTURION TOWER						
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	320 minutes	
		PSCE3000	PSCEBB12	PSCEBB18CH	PSCEBB12	
3000VA	100%	5 minutes	27 minutes	60 minutes	100 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/8Amps (selectable)	From UPS	4Amps/8Amps (selectable)
PHYSICAL						
Dimensions D x W x H		397 x 145 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	42/44Kg	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

