

# 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 new 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 backup 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



PSCE1000



PSCE2000



PSCE3000



PSCE6000



PSCE10000



## 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
- Battery banks are available with internal charger to enable fast recharge even with large 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		PSCE1000		PSCE2000		PSCE3000		PSCE6000		PSCE10K	
CAPACITY		1000VA / 800W		2000VA / 1600W		3000 VA / 2400W		6000VA / 4800W		10000VA / 8000 W	
<b>INPUT</b>											
Voltage Range	Low Line Transfer	160 VAC / 140 VAC / 120 VAC / 110 VAC ± 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 ± 5 %						186 VAC @ 100% load 120 VAC @ 50% load			
	High Line Transfer	300 VAC ± 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)		± 3%						± 1%			
Frequency Range (Synchronized Range)		48 ~ 52Hz or 57 ~ 63Hz						46~54Hz 50Hz/56~64Hz 60Hz			
Frequency Range (Batt. Mode)		50Hz ± 0.25Hz or 60Hz ± 0.3Hz						50Hz ± 0.1Hz or 60Hz ± 0.1Hz			
Current Crest Ratio		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>											
AC Mode		85%		88%				90%			
Battery Mode		83%						88%			
<b>BATTERY</b>											
Standard Model	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 ± 1%		82.1 VDC ± 1%				273.0 VDC			
<b>INDICATORS</b>											
LCD Panel		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions									
LED Panel		UPS status, Load level, Battery level, and Fault indicators									
<b>ALARM</b>											
Battery Mode		Sounding every 4 seconds									
Low Battery		Sounding every second									
Overload		Sounding twice every second									
Fault		Continuously sounding									
<b>PHYSICAL</b>											
Dimensions D x W x H		338.5 x 145 x 220mm		387 x 190 x 318mm				526 x 250 x 576.5mm			
Net Weight (kgs)		14	7	30	16	30	16	90	35	93	38
<b>ENVIRONMENT</b>											
Operation Humidity		20-90 % RH @ 0- 40°C (non-condensing)									
Noise Level		Less than 45dBa @ 1 Meter						Less than 55dB @ 1 Meter			
<b>MANAGEMENT</b>											
Smart RS232		PowerShield NetGuard® Software - Supports Windows Based Operating Systems, Linux & Unix									
USB											
Optional SNMP		Power management from SNMP manager and web browser (Intelligent Slot)									
AS400		AS400 dry contact communication card (Intelligent Slot)									

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

TOWER MODELS BATTERY BANKS					
MODEL	PSCEBB6	PSCEBB12	PSCEBB18CH	PSCEBB40	PSCEBB60CH
<b>SUITS UPS</b>	PSCE1000	PSCE2000/3000	PSCE2000/3000	PSCE6000/10K	PSCE6000/10K
<b>BATTERY</b>					
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	Internal 3Amp	From UPS	Internal 3.5Amp
<b>PHYSICAL</b>					
Dimensions [D x W x H]cm	397 x 145 x 220	421 x 190 x 318	534 x 190 x 318	592 x 285 x 576	830 x 250 x 576
Weight Net/Gross KG	21/22Kg	42/44Kg	62/64Kg	125/132Kg	190/205Kg
<b>PROTECTION</b>	DC Circuit breaker				

VIRTUALLY UNLIMITED RUN TIMES CAN BE ACHIEVED BY ADDING BATTERY BANKS TO STANDARD MODELS

