

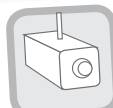
**RELIABILITY • VALUE • POWER**

**GUARANTEED**

**PowerShield CENTURION**



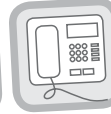
INDUSTRIAL



CAMERA SURVEILLANCE



COMPUTERS



TELEPHONE SYSTEMS



SERVERS



GATES

## 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
- USB, RS232, SNMP and AS400 multiple communications available
- External maintenance bypass available for all models
- N+X parallel redundancy available for 6K/10K model
- Monitoring and Shutdown Software included



Centurion 3000



Centurion 1000



DESIGNED BY AUSTRALIANS FOR AUSTRALIAN CONDITIONS



MODEL		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 $\pm$ 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 ~ 52.5Hz or 57Hz ~ 63Hz			290 VAC	
Frequency Range		47.5Hz ~ 52.5Hz or 57Hz ~ 63Hz			46~54Hz 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	
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 Time	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	12 V / 9 AH	12 V / 9 AH	12 V / 9 AH	12 V / 9 AH	12 V / 9 AH
	Numbers	3	6	6	20	20
	Typical Recharge Time	4 hours recover to 90% capacity			7 hours recover to 90% capacity	7 hours recover to 90% capacity
	Charging Current (max.)	1.0 A			1.0 A	
	Charging Voltage	41.0 VDC $\pm$ 1%	82.1 VDC $\pm$ 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>						
Dimension, D X W X H (mm)		338.5 X 145 X 220	387 X 190 X 318		526 X 250 X 576.5	
Net Weight (kgs)		14	30	30	90	93
<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						
AS400	AS400 dry contact communication card (Intelligent Slot)					

\* L means long-run model

\* Product specifications are subject to change without further notice



PSCE1000



PSCE2000



PSCE3000



PSCE6000



PSCE10000

VA	LOAD	MODEL			
		<b>PSCE1000</b>	<b>PSCEBB6</b>	<b>PSCEBB6</b>	<b>PSCEBB6</b>
1000VA	100%	12 minutes	45 minutes	80 minutes	115 minutes
500VA	50%	25 minutes	105 minutes	170 minutes	250 minutes
		<b>PSCE2000</b>	<b>PSCEBB12</b>	<b>PSCEBB18CH</b>	<b>PSCEBB12</b>
2000VA	100%	12 minutes	50 minutes	115 minutes	145 minutes
1000VA	50%	25 minutes	110 minutes	215 minutes	320 minutes
		<b>PSCE3000</b>	<b>PSCEBB12</b>	<b>PSCEBB18CH</b>	<b>PSCEBB12</b>
3000VA	100%	5 minutes	27 minutes	60 minutes	100 minutes
1500VA	50%	16 minutes	60 minutes	145 minutes	185 minutes
		<b>PSCE6000</b>	<b>PSCEBB40</b>	<b>PSCEBB60CH</b>	<b>PSCEBB40</b>
6000VA	100%	13 minutes	50 minutes	110 minutes	170 minutes
3000VA	50%	35 minutes	110 minutes	260 minutes	320 minutes
		<b>PSCE10K</b>	<b>PSCEBB40</b>	<b>PSCEBB60CH</b>	<b>PSCEBB40</b>
10KVA	100%	5 minutes	27 minutes	60 minutes	100 minutes
5000VA	50%	16 minutes	60 minutes	145 minutes	205 minutes

TOWER MODELS BATTERY BANKS					
<b>MODEL</b>	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	240	240
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					

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 chargers. These also have more batteries than regular battery banks.  
 PSCEBB18CH - Suits 2k & 3K • PSCEBB60CH - Suits 6k & 10K

