



THE AUSTRALIAN UPS COMPANY

The Centurion resolves utility power problems and delivers superior power to equipment requiring critical power.

As a True Online Double-conversion UPS, the UPS takes the AC signal, converts it to DC and then back to AC, thus eliminating any noise or electrical interference and delivering perfect 240Vac and 50Hz frequency to all equipment. It is this seamless transfer to batteries that will continue to feed equipment in the case of a mains failure.

The Centurion Rackmount UPS comes complete with NetGuard® software to enable the UPS to softly shutdown the system after a prescribed amount of time designated by the user. The Centurion Rackmount, like its Tower counterpart, also has programmable sockets on the back so that the user may get more backup on more critical equipment. SNMP and AS400 card slots are present on the back of the unit for remote management and dry contact communications.

applications include:

- manufacturing
- servers and networking gear
- telecommunications, VoIP and security systems
- medical systems
- Mining applications



PSCER1000 (L)



PSCER2000 (L)



PSCER3000 (L)



PSCER6000L/ PSCER10KL

Distributed by:



## Centurion Rackmount



### 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)
- Eco-mode operation for energy saving (ECO)
- 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 + AS400 multiple communications
- Maintenance Bypass Switch available for all models
- N+X parallel redundancy available for 6K/10K models

Electronic Power Solutions Pty Ltd  
3/42 Deakin Street, Brendale, Qld 4037  
Phone: 1300 797 655  
[www.electronicpowersolutions.com](http://www.electronicpowersolutions.com)



CENTURION RACKMOUNT		PSCER1000 (L)	PSCER2000 (L)	PSCER3000 (L)	PSCER6000L	PSCER10KL
CAPACITY		1000 VA / 800 W	2000 VA / 1600 W	3000 VA / 2400 W	6000 VA / 4800 W	10000 VA / 8000 W
<b>INPUT</b>						
Voltage Range	Low Line Transfer	160VAC/140VAC/120VAC/110VAC ± 5 % ( based on load percentage 100% - 80 % / 80 % - 70 % / 70 - 60 % / 60 % - 0)			176VAC @ 100% load 110VAC @ 50% load	
	Low Line Comeback	175VAC ± 5 %			186VAC @ 100% load 120VAC @ 50% load	
	High Line Transfer	300VAC ± 5 %			300VAC	
	High Line Comeback	290VAC ± 5 %			290VAC	
Frequency Range		47.5Hz ~ 52.5Hz or 57Hz ~ 63Hz			46-54Hz or 56-64Hz	
Phase		Single phase with ground				
Power Factor		≥0.98			≥0.99 @ ≥100% load	
<b>OUTPUT</b>						
Voltage (selectable)		240Vac (Selectable 208,220,230Vac)				
AC Voltage Regulation (Batt. Mode)		± 3%			± 1%	
Frequency Range (Synchronized Range)		47 ~ 53Hz or 57 ~ 63Hz			46~54Hz or 56~64Hz	
Frequency Range (Batt. Mode)		50Hz ± 0.25Hz or 60Hz ± 0.3Hz			50Hz ± 0.1Hz or 60Hz ± 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)	≤3% THD (Linear Load) ≤6% THD (Linear Load)		
Transfer Time	AC Mode to Batt. Mode	Zero				
	Inverter to Bypass	4 ms (Typical)			zero	
Waveform (All Modes)		Pure Sinewave				
<b>EFFICIENCY</b>						
AC Mode		85%	88%	90%		
Battery Mode		83%			88%	
<b>BATTERY</b>						
Standard Model	Battery Type	12V*9AH	12V*9AH	12V*9AH	12V*9AH	12V*9AH
	Numbers	3	6	6	20 (External cabinet)	20 (External cabinet)
	Typical Recharge Time	4 hours recover to 90% capacity			3 hours recover to 90% capacity	4 hours recover to 90% capacity
	Charging Current (max.)	1.0A			2.0A	
	Charging Voltage	41.0V <sub>DC</sub> ±1%	82.1V <sub>DC</sub> ±1%			273.0V <sub>DC</sub> ±1%
Long-run Model	Battery Type	Depending on the capacity of external batteries				
	Numbers					
	Charging Current (max.)	8.0A			4.0A	
<b>INDICATORS</b>						
LCD Panel		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions				
<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		420 x 438 x 88 (2RU)mm	580 x 438 x 133 (3RU)mm	580 x 438 x 133 (3RU)mm	668 x 438 x 133 (3RU)mm	
UPS Net Weight (kgs) STD / Long Run		16/10	31/17	21	23	
Battery Bank		PSCERBB6	PSCERBB12	PSCERBB20		
Battery Bank Dimensions D x W x H		580 x 438 x 88 (2RU)mm	580 x 438 x 133 (2RU)mm	580 x 438 x 133 (3RU)mm		
Battery Bank Net Weight (kgs)		21	41	65		
<b>ENVIRONMENT</b>						
Operation Humidity		20-90 % RH @ 0- 40°C (non-condensing)				
Noise Level		Less than 45dBA @ 1 Meter			Less than 55dBA @ 1 Meter	
<b>MANAGEMENT</b>						
Smart RS232		PowerShield NetGuard® Software - Supports Windows Based Operating Systems, Linux & Unix				
USB						
Optional SNMP						
Optional AS400		PSCEAS400 dry contact communication card (Intelligent Slot)				

MODEL	PSCERBB6	PSCERBB12	PSCERBB20
<b>SUITS UPS</b>	PSCER1000	PSCER2000/3000	PSCER6000L/10KL
<b>BATTERY</b>			
Type	12V*9AH	12V*9AH	12V*9AH
Number	6	12	20
Nominal DC	36Vdc	72Vdc	240
Charger	From UPS	From UPS	From UPS
<b>PHYSICAL</b>			
Dimensions D x W x H	420 x 438 x 88 (2RU)mm	580 x 438 x 133 (2RU)mm	580 x 438 x 133 (3RU)mm
Weight Nett/Gross	21kgs	37kgs	57kgs
<b>PROTECTION</b>			
DC Circuit breaker			

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