

# PowerShield®



The Centurion Dual series has been specifically designed to accept a broad range of worldwide mains utility supplies supporting both high-voltage and low-voltage environments. It automatically accepts two input ranges of 88 to 144Vac and 176 to 288Vac. The output is precisely regulated and sustained even at full load. Galvanic isolation is provided via an isolation transformer to isolate the output from the AC input. The UPS provides full isolation and complete common mode noise rejection for connected equipment.

The Centurion is designed to protect critical computer, communications, industrial, medical and other mission critical equipment. A true online double conversion UPS, the Centurian 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 smart battery charger design technology for optimized battery performance.

This will leave additional valuable backup time to the equipment that is most critical. This UPS includes a stylish, informative LCD display for local access and a variety of communications options for remote users.

#### applications include:

- critical servers
- critical IT applications
- telecom applications
- manufacturing
- mining & resource
- oil rigs
- small networks
- PLCs
- security equipment
- marine
- railways
- multi-nation



## Centurion Dual



## features

- Dual voltage, wide input, autosensing voltage range(88-144Vac and 176-288Vac)
- Complete galvanic isolation design offers full isolation and complete common mode noise rejection
- True online double-conversion
- Input power factor correction 0.99
- ECO mode for energy saving
- Intelligent Slot for optional USB or RS-232 or AS400 or SNMP or Modbus communication
- Smart battery charger design for optimized battery performance
- Accepts dual-mains inputs for special power environment with high Voltage and Low Voltage

THE AUSTRALIAN UPS COMPANY



CENTURION DUAL							
Model		PSCED1000/240	PSCED2000/240	PSCED3000/240	PSCED1000/110	PSCED2000/110	PSCED3000/110
Capacity		1000VA/800W	2000VA/1600W	3000VA/2400W	1000VA/800W	2000VA/1600W	3000VA/2400W
INPUT							
Voltage Range		88 - 144Vac and 176 - 288Vac (Auto sensing)					
Frequency Range		45 Hz - 55 Hz or 56 Hz - 65 Hz (Auto sensing)					
Phase		Single phase with ground					
Power Factor		≥0.99					
OUTPUT							
Output Voltage		240Vac (Factory Preset) IEC model (User may select output setting of 208/220/230Vac)			110Vac (Factory Preset) NEMA model (User may select output settings of 115/120/127Vac)		
AC Voltage Regulation (Static)		±1%					
Frequency Range (Synchronized Range)		47 - 53 Hz or 57 - 63 Hz					
Frequency Range (Batt. Mode)		50 HZ ± 0.2 Hz or 60 Hz ± 0.2Hz					
Current Crest Ratio		3:1					
Harmonic Distortion		≤ 2 % THD (Linear Load), ≤ 6 % THD (Non-linear Load)					
Transfer Time	AC Mode to Batt.Mode	Zero					
	AC Mode to Bypass/ECO	4 ms (Typical)					
	Bypass/ ECO to AC Mode	4 ms (Typical)					
	ECO to Batt. Mode	10 ms (Typical)					
Waveform (Batt. Mode)		Pure Sine Wave					
EFFICIENCY(Peak)							
Battery Mode (@100% RCD load)		84% (Typical); 86% (Peak)	86% (Typical); 88% (Peak)	87% (Typical); 89% (Peak)	84% (Typical); 86% (Peak)	86% (Typical); 88% (Peak)	87% (Typical); 89% (Peak)
ECO Mode		85%	88%	90%	85%	88%	90%
BATTERY							
Standard Model	Battery Type	12V / 9 Ah	12V / 9 Ah	12V / 9 Ah	12V / 9 Ah	12V / 9 Ah	12V / 9 Ah
	Battery Number	2	4	6	2	4	6
	Typical Recharge Time	5 hours recover to 90% capacity					
	Charging Current (max.)	1.0 A					
	Charging Voltage	27.4 VDC ± 1%	54.8 VDC ± 1%	82.2 VDC ± 1%	27.4 VDC ± 1%	54.8 VDC ± 1%	82.2 VDC ± 1%
INDICATORS							
LCD Panel		UPS status, Load level, Battery level, Input/Ouput/battery info, Discharge timer, and Fault conditions					
ALARM							
Battery Mode		Sounding every 4 seconds					
Low Battery		Sounding every second					
Overload		Sounding twice every second					
Fault		Continuously sounding					
PHYSICAL							
Input Connection		1 x IEC	Terminal	Terminal	1 x IEC	Terminal	Terminal
Ouput Connection		4 x IEC	8 x IEC	6 x IEC + terminal	4 x NEMA	8 x NEMA	6 x NEMA + terminal
Standard Model	Dimensions D x W x H (mm)	423 x 145 x 332	426 x 190 x 448	426 x 190 x 448	423 x 145 x 332	426 x 190 x 448	426 x 190 x 448
	Net Weight (kgs)	26.5	34	56	26.5	34	56
ENVIRONMENT							
Humidity		20-95 % RH @ 0 - 40° C (non-condensing)					
Noise Level		Less than 50dBA @ 1Meter					
MANAGEMENT							
Communication		Optional RS232 Card or USB Card or SNMP Card or AS400 or Modbus Card available Power Shield® NetGuard® software supports Windows® 2000/2003/XP/Vista/2008, Windows® 7, Linux, Unix and Mac					

\* Specifications are subject to change without prior notice.  
 \* UPS output capacity is calculated at PF = 0.7

