

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 Dual is designed to protect critical computer, communications, industrial, medical and other mission critical equipment. A true online double conversion UPS, this Centurion Dual 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
- small networks
- critical IT applications
- PLCs
- telecom applications
- security equipment
- manufacturing
- marine
- mining & resource
- railways
- oil rigs
- multi-nation



Centurion Dual



features

- Dual voltage, wide input, autosensing voltage range (88 - 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 Modbus or SNMP communication card (Default - USB card)
- Smart battery charger design for optimized battery performance

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 - 288Vac (Auto sensing)						
Frequency Range	45Hz - 55 Hz or 56Hz - 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 60Hz ± 0.2 Hz						
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 / 9Ah	12V / 9Ah	12V / 9Ah	12V / 9Ah	12V / 9Ah	12V / 9Ah
	Battery Numbers	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/Output/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	
Output 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 55dBA @ 1 Meter						
MANAGEMENT							
Communication	USB card (default) Optional RS232 Card or SNMP Card or Modbus Card or AS400 Card available PowerShield NetGuard® software supports Windows® 2000/2003/XP/Vista/2008, Windows®, Linux, Unix and Mac						

