



CENTURION RACK DUAL

1500VA | 2000VA | 3000VA

Universal Input Online UPS



The Centurion Rack Dual UPS provides common neutral, double conversion technology with a wide input voltage range.

FEATURES

HIGH EFFICIENCY, FULL-BRIDGE INVERTER DESIGN

High-efficiency, full-bridge inverter offers a range of benefits including energy savings, improved reliability, extended component and battery life.

LOW NOISE SMART COOLING FAN DESIGN

The fans have been engineered to improve user comfort and equipment performance. The fans are low noise, and the fan speed is optimised for the combination of thermal performance and noise generation.

LCD SMART BACKUP TIME ESTIMATION

The front screen incorporates smart backup estimation based on real time feedback back.

ADJUSTABLE CHARGER FLOAT VOLTAGE

Adjustable charger settings allow the user to provide optimal battery charging. Improving the longevity of the batteries.

AUTOMATIC RESTART OF LOADS AFTER UPS SHUTDOWN

Automatic restarts enable all essential equipment and can be brought back online promptly, reducing disruptions, and the need for a technician to physically restart the UPS.

GENERATOR COMPATIBLE

The UPS has been designed to be natively compatible with generators, to maintain uninterruptible power during an extended outage.

HOT-SWAPPABLE BATTERIES

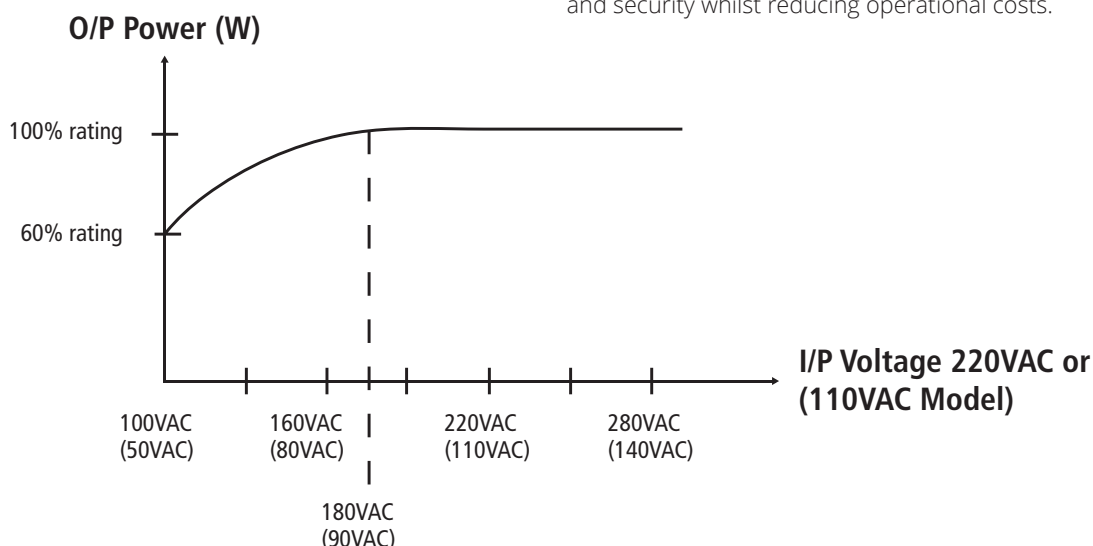
To minimise downtime and improve the mean time to recovery, the user can replace the batteries.

SMART BATTERY MANAGEMENT

The UPS deploys smart battery management in order to maximizing the performance, reliability, and safety of batteries in UPS applications.

NETWORK MANAGEABLE (INTELLIGENT SLOT FOR SNMP)

The SNMP card enables remote monitoring, proactive maintenance, and real-time alerts. Ultimately improving reliability, performance, and security whilst reducing operational costs.



CENTURION RACK DUAL RANGE SELECTION GUIDE			
MODEL	CENTURION RACK DUAL 1500	CENTURION RACK DUAL 2000	CENTURION RACK DUAL 3000
Model Number	PSCERD1500	PSCERD2000	PSCERD3000
Capacity	1500VA/1080W	2000VA/1600W	3000VA/2400W
Topology	True online double-conversion, Pure Sine Wave		
INPUT			
Nominal Range	100V – 240V		
Voltage Range	70Vac – 280VAC (IMPORTANT: De-rate the load capacity to below 60% when the input supply voltage is under 100VAC)		
Auto-bypass Range	± 11% of the selected output voltage		
Frequency Range	Under Frequency Convertor Mode, 40~70Hz (De-rate to 80% of the capacity in Frequency converter mode)		
OUTPUT			
Output Voltage	100V / 110V / 115V / 120V Selectable		
Output Frequency (sync to mains)	Auto Detect for 50 / 60Hz (When power on) 50±2Hz or 60±2Hz		
Regulation	±2% of selected output voltage		
Crest Factor	3:1		
Transfer Time	AC to DC: zero Inverter to bypass: 4ms typical		
Overload protection	> 100% overload alarm 100%-115% for 60 seconds, then transfer to bypass mode; 115%-135% for 10 seconds, then transfer to by pass mode; > 135% for 2 seconds, then transfer to bypass mode; If bypass mode is not available, then UPS will shutdown the output power Note: Bypass mode is not available when input voltage is out of the range limits		
Harmonic Distortion	< 3% (at full resistive load)		
AC mode efficiency	90%		
BATTERY			
Battery Voltage	12 V*7AH (x3)	12 V*7AH (x4)	12 V*7AH (x6)
Typical back up time	10 minutes @ 50% load, 4 minutes at 100% load		
Recharge Time	7 hours to 90%		
COMMUNICATIONS AND MANAGEMENT			
Interface	USB or RS232 as standard. Intelligent slot for optional PSCSNMP or optional PSCAS400 dry contact		
Software	UPSilon2000 compatible supports Windows and Linux operating systems		
LCD / Alarm	Remaining battery time, On battery, Low battery, Over load, Short-circuit, Thermal overload		
PHYSICAL			
Dimension / Packaged (cm)	2 ru x 43 / 58 x 22 x 64	2 ru x 43 / 58 x 22 x 64	2 ru x 51 / 58 x 22 x 78
Net Weight / Gross Weight (kg)	18 / 20	21 / 23	27 / 29
OPERATING ENVIRONMENT			
Temperature	Up to 1500 meters: 0°C to 40°C		
Relative Humidity	5–95% non condensing		
Audible Noise	≥45 dBA (at 1 meter from surface of unit)		
STANDARDS			
Safety	EN62040-1-1, IEC60950-1-1, BSMI		