Power On
AUSTRALIA

CENTURION LiFePO$_4$
Lithium-Iron Phosphate
1000VA | 2000VA | 3000VA

The Centurion LiFePO4 features true online double conversion. As our highest single phase power density UPS, this sophisticated range will provide the most comprehensive protection for mission critical devices such as sensitive networks, computers, servers, telecom applications, as well as industrial applications.

Meticulously developed by PowerShield engineers to be a world leading technology UPS, the Centurion RT addresses absolutely all requirements and features as has been demanded by the sophisticated Australian power consumer and hence stands in a class of its own, as a world leading UPS technology.

Features

- **EXCEPTIONAL SURGE PROTECTION**
  Offering the best surge protection in its class to protect against damaging surges.

- **RACK/TOWER DESIGN**
  The Centurion RT can be easily installed as a floor-standing tower or in a 19-inch rack.

- **PROGRAMMABLE OUTLETS**
  This UPS comes with programmable power management outlets allowing the user to control the load segments, thereby extending battery backup times to mission critical devices by shutting down non-critical items.

- **HID COMMUNICATION VIA USB**
  HID can be used for simple management with Windows, Apple, Linux and NAS devices and a large variety of industrial controllers that support HID.
  HID ensures a safe and orderly shutdown in the event of a prolonged power outage.

- **NETGUARD® SOFTWARE COMMUNICATION VIA USB**
  The free, downloadable NetGuard® Software provides complete power monitoring. Parameters such as input/output voltage, remaining battery time & load level are easily viewed. It also ensures a safe and orderly shutdown in the event of a prolonged outage.

- **ECO AND ADVANCED ECO MODE**
  Advanced ECO mode allows the UPS to operate at a very high efficiency, up to 98%. When the utility mains input voltage is within the ECO range the UPS saves energy by passing the mains supply directly through to the load, while the inverter continues to operate in a passive mode.

OPTIONAL ACCESSORIES

- PSSNMPV4 – SNMP card (option to connect a PSEMD)
- PSEMD – Environmental Monitoring, temperature and humidity
- PSModbus – Modbus card
- PSAS400 – AS400 dry contact card
- PSRK – rail kit
- PSMBS2k, PSMBS3k – Maintenance Bypass

THE LITHIUM-IRON PHOSPHATE ADVANTAGE

EXTENDED BATTERY LIFE
Provides double to triple battery life, making it cheaper to run and providing lower total cost of ownership.

LIGHTER WEIGHT
Batteries are up to one third lighter making installation and battery changes easier to carry out.

FASTER RECHARGE
3 times faster recharge rate.

HIGHER POWER DENSITY
Provides longer runtimes.

HIGHER TEMPERATURE TOLERANCE
Batteries can operate in environments up to 40ºC without battery degradation.

HIGHER PERFORMANCE
Advanced LiFePO4 battery management system ensures the utmost efficiency during charging and discharging.

SAFETY
The chemical composition of LiFePO4 batteries ensures that they are non-flammable.

5 YEAR WARRANTY

ECO LiFePO$_4$

MODEL		CENTURION RT LiFePO4 1KVA	CENTURION RT LiFePO4 2KVA	CENTURION RT LiFePO4 3KVA
Model Number		PSLCERT1000	PSLCERT2000	PSLCERT3000
Capacity		1000VA/900W	2000VA/1800W	3000VA/2700W
Topology		True online double-conversion, Pure Sine Wave		
INPUT				
Voltage Range	Line Loss	160Vac / 140Vac / 120 / 110VAC ± 5 % (based on load percentage 100%-80% / 80%-70% / 70%-60% / 60%-0)		
	Low Line Comeback	175Vac / 155VAC / 135VAC / 125VAC ± 5 %		
	High Line Transfer	300VAC ± 5 %		
	High Line Comeback	290VAC ± 5 %		
Frequency Range		40Hz–70Hz		
Phase		Single phase with ground		
Power Factor Correction		0.99 @ nominal voltage (100% load)		
OUTPUT				
Output Power Factor		0.9		
Output Voltage (AC Mode)		240VAC (Selectable 200/208/220/230/240VAC)		
Voltage Regulation (Batt. Mode)		± 1%		
Frequency Range (Batt. Mode)		50Hz or 60Hz ±1Hz		
Current Crest Ratio		3:1 (max.)		
Transfer	AC Mode to Batt. Mode	Zero		
	Inverter to Bypass	4ms (Typical)		
Waveform (Batt. Mode)		Pure Sine Wave		
IEC Outlets		10A, C13 x 5		10A, C13 x 5; 16A, C19 x 1
Australian Sockets		3		2
EFFICIENCY				
ECO Mode (Advanced)		96%	97%	97%
Battery Mode		87%	88%	89%
BATTERY				
Battery		LiFePO$_4$		
Typical Recharge Time		2 hours		
Backup Time:				
25% Load		44 mins	44 mins	44 mins
50% Load		22 mins	22 mins	22 mins
75% Load		14 mins	14 mins	14 mins
100% Load		11 mins	11 mins	11 mins
PROTECTION				
Full Protection		Overload, discharge, thermal, short circuit and overcharge protection		
Surge Protection		1872 Joules / 39000 Amps		
COMMUNICATIONS AND MANAGEMENT				
Interface		USB or RS232 as standard, Intelligent slot for PSSNMP, PSModbus or PSAS400 dry contact		
Software		PowerShield® NetGuard® software – supports Windows, Linux, Unix and Mac based operating systems		
HID		Supports Windows, Apple, Linux, NAS and various industrial controllers		
LCD Display/Alarm		UPS Status, Load & Battery Level, Input/Output Voltage, Batt. Time Remaining and Fault Indicators		
Audible Alarm		Battery Mode, Bypass Mode, Low Battery (Batt. Mode), Fault, Overload		
PHYSICAL				
Dimension (D x W x H) mm		380 x 438 x 88	480 x 438 x 88	600 x 438 x 88
Weight (kg)		10.2	14.6	19.7
OPERATING ENVIRONMENT				
Temperature		0–40°C		
Humidity		20–90% (RH Non-condensing)		
Noise Level		< 50dBA @ 1 Meter		
COMPLIANCE				
Safety / EMC / RoHS		EN62040 -1-1 2003, IEC60950 -1 -1 / EN62040 -2 2006 / Directive 2011/65/EU		

REAR VIEW

Centurion RT LiFePO4 1000 10Amp IEC input socket

Centurion RT LiFePO4 2000 10Amp IEC input socket

Centurion RT LiFePO4 3000 16Amp IEC input