

Faster, Lighter, Safer & Longer Lasting... Welcome to the Centurion LiFePO4 UPS

ecoLiFePO₄

**High
Safety**

Non-flammable
batteries

**3 x
Faster**

Recharge
Rate

**50%
Savings**

Over the Life
of the UPS

**1/3
Lighter**

Than Lead
Acid Options

The Lithium-Iron Phosphate Advantage:



Higher Safety

With safety as our absolute priority PowerShield engineers chose non-flammable LiFePO4 batteries.



Lighter Weight

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



Energy Saving ECO Mode

Advanced ECO Mode allows the UPS to run at a very high efficiency, reducing energy consumption.



Higher Performance

PowerShield have incorporated an advanced LiFePO4 battery management system. This ensures the utmost efficiency during charging and discharging of the battery system.



Higher Power Density

Provides longer runtimes compared to UPSs with sealed lead acid batteries.



Higher Temperature Tolerance

Batteries can operate in environments up to 40°C without battery degradation.



Faster Recharge

3 times faster recharge rate.



With safety as our absolute priority PowerShield engineers chose LiFePO4 batteries for this series that feature a chemical composition that ensures they are non-flammable and as such will not catch fire when exposed to electrical and mechanical stresses. The Centurion RT LiFePO4 UPS series offers a higher return on investment when looking for backup and comprehensive protection of mission-critical devices such as sensitive networks, computers, servers, telecom applications, as well as industrial applications.

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power protection
solutions

CENTURION RT LiFePO4 RANGE SELECTION GUIDE

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	Low Line Transfer	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		
EFFICIENCY				
ECO Mode (Advanced)		96%	97%	97%
Battery Mode		87%	89%	90%
BATTERY				
Battery		LiFePO4		
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		

* Specifications are subject to change without prior notice.

Centurion RT LiFePO4 1000 10Amp IEC input socket



Centurion RT LiFePO4 2000 10Amp IEC input socket



Centurion RT LiFePO4 3000 16Amp IEC input socket

