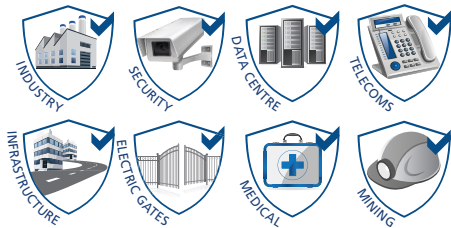


Centurion 3/3

10–30kVA



True Online Double Conversion UPS



Centurion 3/3 UPS series provides powerful and overall protection to your sensitive devices accepting a wide input voltage range for harsh environments. It is the perfect solution for powering a wide range of devices such as servers, data centers, industrial processes, telecommunication and security systems.

This small footprint, high power density, double-conversion online UPS has an output power factor of 0.9. It features complete dual mains inputs ranging from 10kVA to 30kVA. It also includes Digital Signal Processing (DSP) technology and active input power factor correction design. This ensures a stable, superior output power quality.

Features



High Availability

- Accepts dual-mains inputs
- Generator compatible
- Optional N+X parallel redundancy

Protection

- True online double-conversion
- Sophisticated 3-stage extendable charging design for optimized battery performance
- Emergency power off function (EPO)

Efficiency

- DSP technology guarantees high performance
- Output power factor 0.9
- Active power factor correction on all phases
- ECO mode operation for energy saving (ECO)

Versatility

- Adjustable battery numbers
- 50Hz/60Hz frequency converter mode
- Adjustable output voltages
- Includes USB and RS232 connections

LCD Display

The Centurion 3/3 has an informative LCD Display with programmable features



Options

- SNMP/Web Card
- AS400 Dry Contact Relay Card
- Modbus Card
- Extended Battery Cabinets
- External Maintenance Bypass Switch



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CENTURION 3/3 TRUE ONLINE UPS SELECTION GUIDE

MODEL		Centurion 10K 3/3	Centurion 20K 3/3	Centurion 30K 3/3
Model Number		PSCE10K(L) 3/3	PSCE20K(L) 3/3	PSCE30K(L) 3/3
Capacity		10000 VA / 9000 W	20000 VA / 18000 W	30000 VA / 27000 W
INPUT				
Nominal Voltage		220/380, 230/400, 240/415 (3Ph + N)		
Input Voltage Range		190-520 VAC (3-phase) @ 50% load; 305-478 VAC (3-phase) @ 100% load		
Frequency Range		46~54 Hz or 56~64Hz		
Power Factor		0.99 @ 100% load		
OUTPUT				
Output Voltage		220/380, 230/400, 240/415 (3Ph + N)		
AC Voltage Regulation (Batt. Mode)		± 1%		
Frequency Range (Synchronized Range)		46~54Hz or 56~64Hz		
Frequency Range (Batt. Mode)		50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz		
Current Crest Ratio		3:1 (max.)		
Harmonic Distortion		≤ 2 % THD (Linear Load); ≤ 5 % THD (Non-linear Load)		
Transfer Time	AC mode to Batt. Mode	zero		
	Inverter to Bypass	zero		
Waveform (Batt. Mode)		Pure Sine Wave		
EFFICIENCY				
AC Mode		91%	92%	92%
ECO Mode		96%		
Battery Mode		87%	88%	89%
BATTERY				
Standard Model	Battery Type	12V / 9AH		
	Numbers	20 pcs (18-20 adjustable)*	20 pcs (18-20 adjustable)* x 2 strings	20pcs (18-20 adjustable)* x 3 strings
	Typical Recharge Time	9 hours recover to 90% capacity		
	Charging Current (Max.)	1A	2A	4A
Long-run Model	Battery Type	Depending on the capacity of external batteries		
	Numbers			
	Charging Current (Max.)	4A	8A	12A
COMMUNICATIONS & MANAGEMENT				
Interface		USB or RS232 as standard, Intelligent slot for PSSNMP or PSModbus or PSAS400 dry contact		
Software		Power Shield NetGuard software – supports Windows, Linux and Mac (Free Download)		
LCD Display/Alarm		UPS Status, Load & Battery Level, Input/Output Voltage, Batt. Time Remaining and Fault Indicators		
Audible Alarm		Battery Mode, Low Battery, Overload, Fault		
PHYSICAL				
Standard Model	Dimension D x W x H (mm)	815 x 250 x 826	815 x 250 x 826	815 x 300 x 1000
	Net Weight (kgs)	109	164	233
Long-run Model	Dimension, D x W x H (mm)	592 x 250 x 826	592 x 250 x 826	815 x 300 x 1000
	Net Weight (kgs)	38	40	64
ENVIRONMENT				
Humidity		0-95% RH @ 0-40°C (non-condensing)		
Noise Level		Less than 60dB @ 1 Meter	Less than 65dB @ 1 Meter	
COMPLIANCE				
Safety		EN62040-1 -1 2003, IEC 60950-1 -1		
EMC		EN62040-2 2006		
RoHS		Directive 2011/65/EU		

* When using internal batteries from 16, 18 and 19, the unit will be de-rated according to the formula: P=Prating X N/20.

* De-rating capacity to 90% when the output voltage is adjusted to 208VAC.

* (L) denotes long run version. This UPS comes with a larger charger and no internal batteries. Product specifications are subject to change without further notice.



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