PowerShield®

Centurion 3/1

In applications where only limited three phase power is available yet a large single phase power supply is necessary, the PowerShield Centurion 3/1 ticks all the boxes. Recommended in applications where a balanced load is required, the Centurion 3/1 Series has all of the features of the Centurion range with the added ability of accepting three phase power to its input.

Like the Centurion range, the 3/1 range boasts the same User friendly LCD display that allows the operator to interrogate and program the UPS on the front panel as well as with the included software. It also has a small footprint which will fit any tight space requirement.

It can also be configured to be a single phase in and single phase out UPS.

Models come standard with internal batteries. If a longer back up time is required, the long run models with extra large chargers are available.

applications include:

- critical servers
- small networks
- critical IT applications
- PLCs
- telecom applications
- security equipment
- manufacturing
- balancing loads

features

- True online double-conversion
- DSP technology guarantees high performance
- Wide input voltage range (110-300 VAC)
- Input power factor correction in all phases
- 50Hz/60Hz frequency converter mode
- Eco mode operation for energy saving (ECO)
- Programmable power outlets
- Emergency power off function (EPO)
- Generator compatible
- All models are Long Run
- USB+RS232 + SNMP + AS400 multiple communications
- Maintenance bypass available
- N+X parallel redundancy available

THE AUSTRALIAN UPS COMPANY

CENTURION THREE PHASE/SINGLE PHASE			
Model		PSCE10KL3/1	PSCE20KL3/1
Capacity		10000VA / 8000W	20000VA / 16000 W
INPUT			
Phase		Three Phase in/One Phase Out or One Phase in/One Phase out (User selectable)	
Voltage (Nominal)		240/415Vac (User Selectable)	
Voltage Range	Low Line Transfer	176VAC (phase voltage)@ 100% load 110VAC (phase voltage) @ 50% load	
	Low Line Comeback	186VAC (phase voltage) @ 100% load 120VAC (phase voltage) @ 50% load	
	High Line Transfer	276VAC (phase voltage) @ 100% load 300VAC (phase voltage) @ 50% load	
	High Line Comeback	266VAC (phase voltage) @ 100% load 290VAC (phase voltage) @ 50% load	
Frequency Range		46~54 Hz or 56~64Hz	
Power Factor		0.99 @ 100% load	
THDi		< 6% @ 100% load	
OUTPUT			
Voltage (ac mode)		240Vac (220, 230Vac User Selectable)	
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	
Load Crest Factor		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		89%	
Battery Mode		86%	87%
BATTERY			
Standard Model	Battery Type	12V*9AH	
	Numbers	20	40
	Typical Recharge Time	9 hours recover to 90% capacity	
	Charging Current (max.)	1A	2A
	Charging Voltage	273Vdc	
Long-run Model	Battery Type/Numbers	Depending on the capacity of external batteries	
	Charging Current (max.)	4A	8A
	Charging Voltage	273Vdc	
INDICATORS			
LCD Panel		UPS status, Load level, Battery level, Input/Output voltage, 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			
Standard Model	Dimensions (D x W x H)	(592 x 250 x 576)mm	(815 x 250 x 826)mm
	Net Weight	83kgs	164kgs
Long-run Model	Dimensions (D x W x H)	(592 x 250 x 576)mm	(592 x 250 x 576)mm
	Net Weight	28kgs	37kgs
OPERATING ENVIRONMENT			
Operation Humidity		0-95 % RH @ 0- 40°C (non-condensing)	
Noise Level		Less than 58dB @ 1 Meter	
COMMUNICATIONS & MANAGEMENT			
Smart RS232/USB		PowerShield NetGuard® software supports Windows, Linux, Unix, and MAC	
Optional SNMP		Power management from SNMP manager and web browser	

	LOAD	PSCE10KL3/1	PSCE20KL3/1
UPS BACKUP	50%	17 minutes	16 minutes
	100%	5 minutes	5 minutes
+BB40	50%	60 minutes	48 minutes
	100%	25 minutes	16 minutes
+BB60CH	50%	145 minutes	80 minutes
	100%	60 minutes	35 minutes
+BB40	50%	200 minutes	105 minutes
	100%	95 minutes	50 minutes

* L means long-run model
* Product specifications are subject to change without further notice