

On Line Uninterruptible Power Supply

Powersolid Series 6 kVA



Specifications

- True double conversion wide input voltage (110 - 300V)
- Smart fan-speed control design
- Eco mode energy saving
- Optional powerful charger for battery backup extension
- Adjustable battery number
- Common battery for parallel operation

General Application Areas:



Finance



Medical



Industry



Datacenter

Powersolid Series 6 kVA Technical Specifications

MODEL		Powersolid 6 kVA
Capacity (VA/Watt)*		6000 VA / 4800 W
Input		
Voltage Range	Low Line Loss	110 VAC \pm 3 % at 50% Load ; 176 VAC \pm 3 % at 100% Load
	Low Line Comeback	Low Line Loss Voltage + 10V
	High Line Loss	300 VAC \pm 3 %
	High Line Comeback	High Line Loss Voltage - 10V
Frequency Range		46Hz ~ 54 Hz @ 50Hz system / 56Hz ~ 64 Hz @ 60 Hz system
Phase		Single phase neutral and ground
Power Factor		\geq 0.99 at 100% load
Output		
Output Voltage		208 / 220 / 230 / 240 VAC (Derate capacity to 60% of capacity in CVCF mode and to 90% when the output voltage is adjusted to 208VAC)
AC Voltage Regulation		\pm 1%
Frequency Range (Synchronized Range)		46 Hz ~ 54 Hz @ 50Hz system / 56Hz ~ 64Hz @ 60Hz system
Frequency Range (Batt. Mode)		50 Hz \pm 0.1 Hz or 60Hz \pm 0.1 Hz
Overload	AC mode	100% ~ 110% : 30min ; 110% ~ 130% : 5min ; > 130% : 10sec
	Battery mode	100% ~ 110% : 3min ; 110% ~ 130% : 30sec ; > 130% : 10sec
Current Crest Ratio		3:1 Max.
Harmonic Distortion		\leq 3% THD (Linear Load) \leq 5% THD (Non-linear Load)
Transfer Time	AC to Battery	0 ms
	Inverter to Bypass	
Efficiency		
AC Mode		> 92 %
Battery Mode		> 90 %
Battery		
Standard Model	Battery Type	12V / 7 Ah x16
	Recharge Time	9 hours recovery to 90% capacity
	Charging Current	Default : 1 A \pm 10% Max.: 1 A , 2 A (adjustable)
	Charging Voltage	218.4V \pm 1%
Long-run Model	Battery Type	Depending on applications
	Numbers	16-18-20
	Charging Current	Default : 4A \pm 10% max.: 1A , 2A , 4A , 6A (Adjustable , 6A is only available for 16 pcs batteries)
	Charging Voltage	218.4V \pm 1% (based on 16 pcs batteries)
Physical		
Standard Model with bat.	Dimension, D x W x H	442 x 190 x 688 (mm)
	Net Weight (kgs)	61
Long-run* Model	Dimension, D x W x H	442 x 190 x 318 (mm)
	Net Weight (kgs)	12
Environment		
Operation Temperature		0 ~ 50°C (battery life cycle will be shorten when temperature is above 25°C)
Operation Humidity		<95% and non-condensing
Operation Altitude**		<1000 m
Acoustic Noise Level		Less than 55dB @ 1 Meter
Management		
Smart RS-232 or USB		Support Windows® 2000/2003/XP/Vista/2008, Windows® 7/8, Linux , Unix , and MAC
Optional SNMP		Power management from SNMP manager and web browser

* Product specifications are subject to change without further notice to third parties . PowerSolid

* Derate capacity to 60% of capacity in CVCF mode and to 90% when the output voltage is adjusted to 208VAC.

** If the UPS is installed or used in a place where the altitude is above than 1000m, the output power must be derated one percent per 100m.

PowerSolid
The crown of power solution

www.powersolid.vn

info@powersolid.vn

