

**On Line Uninterruptible Power Supply**

**Powersolid Series 2 kVA**



**Specifications**

- Output power factor 0.8
- True double-conversion
- Microprocessor control optimizes reliability
- Wide input voltage (110 V – 300 V)
- 50/60Hz Frequency Converter Mode
- ECO mode energy saving
- Generator compatible
- Smart SNMP works well with either USB or RS-232 together

General Application Areas:



Finance



Medical



Home / Office

# Powersolid Series 2 kVA Technical Specifications

MODEL		Powersolid 2 kVA
Capacity (VA/Watt)*		2000 VA / 1600 Watt
Input		
Voltage Range	Low Line Transfer	160VAC/140VAC/120VAC/110VAC $\pm$ 5% (Ambient Temp.<35°C) ( based on load percentage 100% - 80 % / 80 % - 70 % / 70 - 60 % / 60 % - 0)
	Low Line Comeback	175VAC/155VAC/135VAC/125VAC $\pm$ 5 % (Ambient Temp.<35°C)( based on load percentage 100% - 80 % / 80 % - 70 % / 70 - 60 % / 60 % - 0)
	High Line Transfer	300 VAC $\pm$ 5 %
	High Line Comeback	290 VAC $\pm$ 5 %
Frequency Range		40Hz ~ 70 Hz
Phase		Single phase neutral and ground
Power Factor		$\geq$ 0.99 @ nominal voltage (input voltage)
Output		
Output Voltage		200 / 208 / 220 / 230 / 240 VAC (Derate capacity to 80% of capacity in frequency converter mode or when the output voltage is adjusted to 200/208VAC)
AC Voltage Regulation		$\pm$ 1%
Frequency Range		47 ~ 53 Hz or 57 ~ 63 Hz (Synchronized Range)
Frequency Range (Batt. Mode)		50 Hz $\pm$ 0.25 Hz or 60Hz $\pm$ 0.3 Hz
Overload		Ambient Temp.<35°C 105%~110%: UPS shuts down after 10 minutes at battery mode or transfer to bypass when the utility is normal Overload 110%~130%: UPS shuts down after 1minute at battery mode or transfer to bypass when the utility is normal >130%:UPS shuts down after 3 seconds at battery mode or transfer to bypass when the utility is normal
Current Crest Ratio		3:1
Harmonic Distortion		$\leq$ 3 % THD (linear load); $\leq$ 6 % THD (non-linear load)
Transfer Time	AC to Battery	Zero
	Inverter to Bypass	4 ms (Typical)
Waveform		Pure Sinewave
Efficiency		
AC Mode		89 %
Battery Mode		87 %
Battery		
Standard Model	Battery Type	12 V / 9 AH
	Numbers	4
	Recharge Time	4 hours recover to 90% capacity (Typical)
	Charging Current	1.0 A (max.)
	Charging Voltage	54.7 VDC $\pm$ 1%
Long-run Model	Battery Numbers	4
	Charging Current	1.0A / 2.0A / 4.0A / 6.0 A (Adjustable)
	Charging Voltage	54.7 VDC $\pm$ 1%
Physical		
Standard Model with Bat.	Dimension, D x W x H	397 x 145 x 220 (mm)
	Net Weight (kgs)	17
Long-run Model	Dimension, D X W X H	397 x 145 x 220 (mm)
	Net Weight (kgs)	6.8
Environment		
Operation Humidity		20-90 % RH @ 0- 40°C (non-condensing)
Noise Level		Less than 50dBA @ 1 Meter
Management		
Smart RS-232 or USB		Supports Windows® 2000/2003/XP/Vista/2008/7/8, 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 80% of capacity in frequency converter mode or when the output voltage is adjusted to 200/208VAC

**PowerSolid**  
The crown of power solution

[www.powersolid.vn](http://www.powersolid.vn)

[info@powersolid.vn](mailto:info@powersolid.vn)

