

On Line Uninterruptible Power Supply

Powersolid Series 1 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 1 kVA Technical Specifications

| MODEL | | Powersolid 1 kVA |
|------------------------------|----------------------|--|
| Capacity (VA/Watt)* | | 1000 VA / 800 Watt |
| Input | | |
| Voltage Range | Low Line Transfer | 160VAC/140VAC/120VAC/110VAC ± 5% (Ambient Temp.<35°C) (based on load percentage 100% - 80 % / 80 % - 70 % / 70 - 60 % / 60 % - 0) |
| | Low Line Comeback | 175VAC/155VAC/135VAC/125VAC ± 5 % (Ambient Temp.<35°C)(based on load percentage 100% - 80 % / 80 % - 70 % / 70 - 60 % / 60 % - 0) |
| | High Line Transfer | 300 VAC ± 5 % |
| | High Line Comeback | 290 VAC ± 5 % |
| Frequency Range | | 40Hz ~ 70 Hz |
| Phase | | Single phase neutral and ground |
| Power Factor | | ≥ 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 | | ±1% |
| Frequency Range | | 47 ~ 53 Hz or 57 ~ 63 Hz (Synchronized Range) |
| Frequency Range (Batt. Mode) | | 50 Hz ± 0.25 Hz or 60Hz ± 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 | | ≤ 3 % THD (linear load); ≤ 6 % THD (non-linear load) |
| Transfer Time | AC to Battery | Zero |
| | Inverter to Bypass | 4 ms (Typical) |
| Waveform | | Pure Sinewave |
| Efficiency | | |
| AC Mode | | 88 % |
| Battery Mode | | 83 % |
| Battery | | |
| Standard Model | Battery Type | 12 V / 9 AH |
| | Numbers | 2 |
| | Recharge Time | 4 hours recover to 90% capacity (Typical) |
| | Charging Current | 1.0 A (max.) |
| | Charging Voltage | 27.4 VDC ± 1% |
| Long-run Model | Battery Numbers | 2 |
| | Charging Current | 1.0A / 2.0A / 4.0A / 6.0 A (Adjustable) |
| | Charging Voltage | 27.4 VDC ± 1% |
| Physical | | |
| Standard Model with Bat. | Dimension, D x W x H | 282 x 145 x 220 (mm) |
| | Net Weight (kgs) | 9.8 |
| Long-run Model | Dimension, D X W X H | 282 x 145 x 220 (mm) |
| | Net Weight (kgs) | 4.1 |
| 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

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