

DC-AC Inverter

Pure Sine Wave



Model : DB-P1500

12V DC-110V/120V/220V/230V AC
 24V DC-110V/120V/220V/230V AC
 48V DC-110V/120V/220V/230V AC

Socket Type :



Features :

- Input & output fully insulated.
- High surge power: High starting surge current withstand capability for loads like fridge,camps,motors and other inductive loads.
- Soft start: smooth start-up of the appliances.
- output waveform: pure sine wave power for inductive loads.
- Very stable AC output .
- Cooling fan works automatically when inverter becomes too hot, it turns off automatically when the temperature is reduced.
- Low total harmonic distortion: below 3%.

Protection Features :

| | | |
|---|---|---|
|  |  |  |
| OVER TEMPERATURE PROTECTION | LOW VOLTAGE PROTECTION | OVER VOLTAGE PROTECTION |
| When working temperature raised too high, it will alarm and turn off automatically. | When battery voltage becomes too low, it will alarm and turn off automatically. | When battery voltage becomes too high, it will alarm and turn off automatically. |
|  |  |  |
| OVERLOAD PROTECTION | SHORT CIRCUIT PROTECTION | REVERSE POLARITY PROTECTION |
| When the inverter is overload, it will alarm and turn off automatically. | When the wiring is short circuit, it will alarm and turn off automatically. | When the battery connection is polarity reversed, it will alarm and turn off automatically. |

Quality Conformity :

LVD: European Low Voltage Directive : 2014/30/EU
 Standard : EN 60950-1



EMC: European EMC Directive 2014/30/EU
 Standards: • EMI: EN55022, Class B ; EN61000-3-2, -3-3
 • EMS: EN55024; EN61000-4-2, -4-3, -4-4, -4-5, -4-6, -4-8, -11

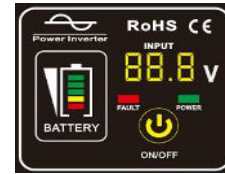
RoHS: European Directive 2011/65/EU

Optional Functions :

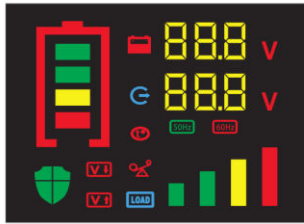


- Battery Level
- Battery Voltage

Type A LED Display

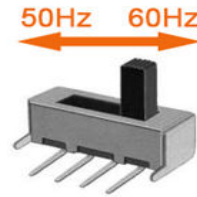


Remote Controller

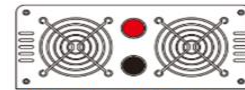


- Power On
- Battery Connected
- Battery Level
- Battery Voltage & AC Output Voltage
- Frequency
- Output Load Percent
- Inverter Normal Working
- Inverter Under Protection
- Inverter Low Voltage Protection
- Inverter Over Voltage Protection
- Inverter Overload Protection
- Inverter Over Temperature Protection

Type B LED Display



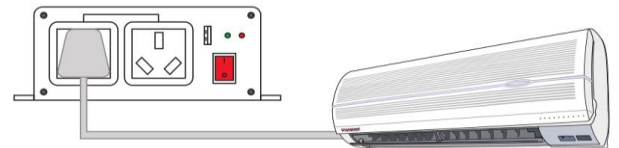
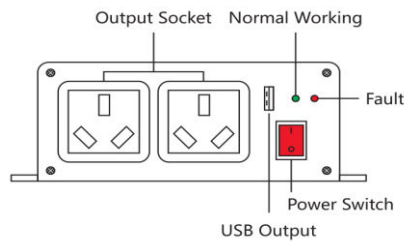
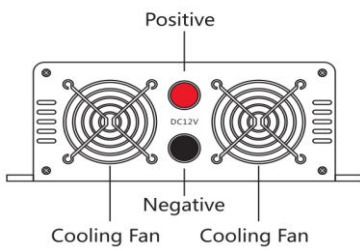
50HZ/60HZ Switch



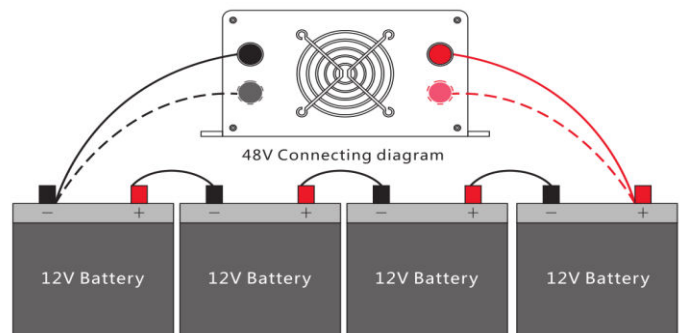
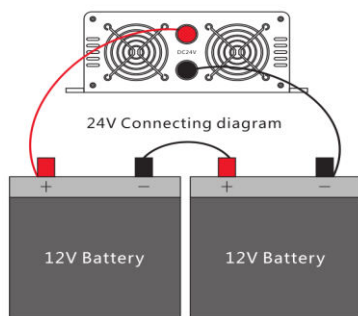
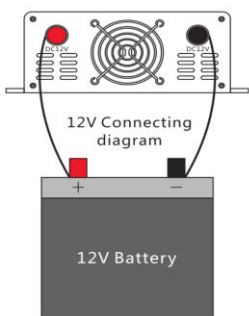
Input voltage:
36V/60V/72V/
96V/110VDC

Input Voltage Customize

Components description :



Battery Connection :



Parameters :

| | Model | DB-P1500-121 | DB-P1500-122 | DB-P1500-241 | DB-P1500-242 | DB-P1500-481 | DB-P1500-482 |
|------------------------------|-----------------------------|--|--------------|--------------|--------------|--------------|--------------|
| Output | Rated Power | 1500W | | | | | |
| | Surge Power | 3000W (few seconds) | | | | | |
| | Output Voltage | 110VAC±5% | 220VAC±5% | 110VAC±5% | 220VAC±5% | 110VAC±5% | 220VAC±5% |
| | Frequency | 50Hz±3 or 60Hz±3 | | | | | |
| | Output Waveform | Pure Sine Wave | | | | | |
| | Total Harmonic Distortion | THD<3% (Linear Load) | | | | | |
| | Input | Rated Input Voltage | 12VDC | | 24VDC | | 48VDC |
| Input Voltage Range | | 10-15.5V | | 20-31V | | 40-61V | |
| Maximum Input Current | | 150A | | 75A | | 38A | |
| Input Current At No Load | | 1.2A | | 0.6A | | 0.3A | |
| Low Input Voltage Alarm | | 10.5±0.5V | | 21±0.5V | | 42±1V | |
| Low Input Voltage Shut Down | | 10±0.5V | | 20±0.5V | | 40±1V | |
| Low Input Voltage Recovery | | 13±0.5V | | 24±0.5V | | 48±1V | |
| High Input Voltage Shut Down | | 15.5±0.5V | | 31±0.5V | | 61±1V | |
| High Input Voltage Recovery | | 14.8V±0.5V | | 29V±0.5V | | 59V±1V | |
| Connection | Input | Terminals with cylindrical hole: 12V:24mm /Φ8 24V:20mm/Φ6 | | | | | |
| | Output | Different socket type optional | | | | | |
| | Internal DC Side Input Fuse | 6*30A = 180A | | 6*20A=120A | | | |
| | Remote | Remote controller optional | | | | | |
| | USB Port | 5V 1A | | | | | |
| General | Soft Start | YES | | | | | |
| | Output Efficiency | > 85% (At full load) | | | | | |
| | Cooling Way | Temperature controlled fan. Fan ON at 45°C ; Fan OFF at 42°C (sensed at internal hot spot) | | | | | |
| | Protection | Battery Low Voltage & Over Voltage, Over Load, Over Temperature, Short Circuit, Reverse Polarity | | | | | |
| | Working Temperature | -10°C - +50°C | | | | | |
| | Net Dimension | 36.2*16.5*8.7cm (L×W×H) | | | | | |
| | Inner Box Dimension | 45.6*20.6*12.2cm (L×W×H) | | | | | |
| | N.W./Unit | 4.3KG | | | | | |
| | G.W./Ctn | 4.8KG | | | | | |
| | Packing | Colour box | | | | | |
| Warranty | 2 Years | | | | | | |

NOTE: Specifications are subject to change without notice