

DC-AC Inverter

Pure Sine Wave



Model : DB-P2000

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 :

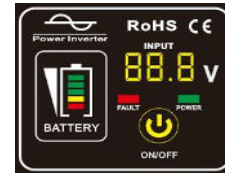
- LVD:** European Low Voltage Directive : 2014/30/EU
Standard : EN 60950-1
- EMC:** European EMC Directive 2014/30/EU
Standards: • EMI: EN55022, Class B ; EN61000-3-2, -3-3
• EMS: EN55024; EN61000-4-2, -4-3, -4-4, -4-5, -4-6, -4-8, -11
- RoHS:** European Directive 2011/65/EU

Optional Functions :

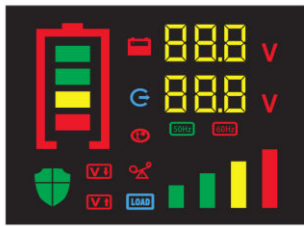


- Battery Level
- Battery Voltage

Type A LED Display

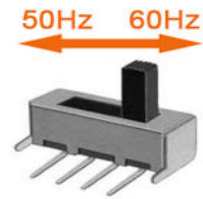


Remote Controller

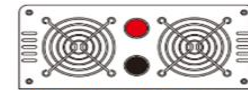


- Power On
- Battery Connected
- Battery Level
- Battery Voltage & AC Output Voltage
- Frequency
- Output Load Percent
- Inverter Normal Working
- Inverter Under Protection
- Inverter Low Voltage Protection
- Inverter Over Voltage Protection
- Inverter Overload Protection
- Inverter Over Temperature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

Type B LED Display



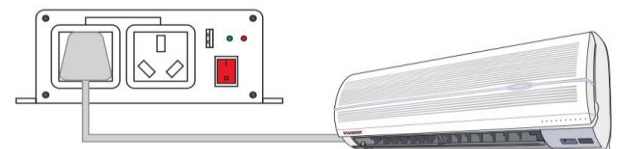
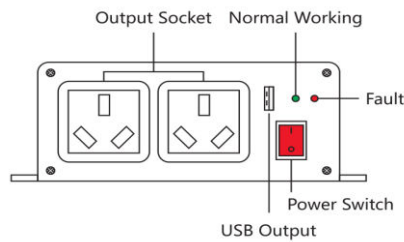
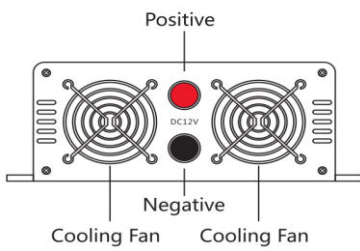
50HZ/60HZ Switch



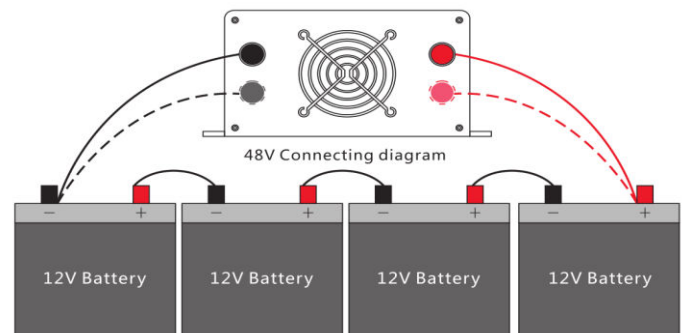
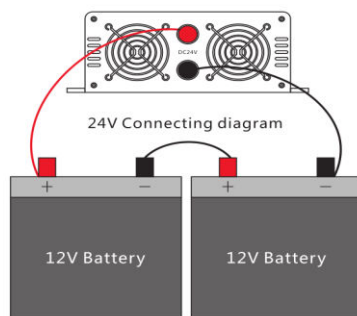
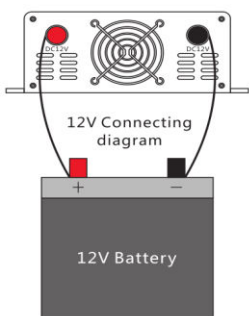
Input voltage:
36V/60V/72V/
96V/110VDC

Input Voltage Customize

Components description :



Battery Connection :



Parameters :

	Model	DB-P2000-121	DB-P2000-122	DB-P2000-241	DB-P2000-242	DB-P2000-481	DB-P2000-482
Output	Rated Power	2000W					
	Surge Power	4000W (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	190A		95A		48A	
	Input Current At No Load	1.4A		0.8A		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*35A = 210A		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	43*16.5*8.7cm (L×W×H)					
	Inner Box Dimension	45.6*20.6*12.2cm (L×W×H)					
	N.W./Unit	5.2KG					
	G.W./Ctn	5.7KG					
	Packing	Colour box					
Warranty	2 Years						

NOTE: Specifications are subject to change without notice