



INVERTER & CHARGER

MULTIFIT

Beijing Multifit Electrical Technology Co.,Ltd

Room503,Building 5,10# Ronghuanan road, Beijing Economic&Technological development Zone 100176, BeiJ ing China

Factory address:Room 301A Third Floor.No.6 Keji west road.Hi-Tech Zone Shantou City, GuangDong, China

Tel: 86-010-87227420 Fax: 86-010-85885278

Mobile No.: 13641024477;15910870754

Skype: eastrenergy; leslie_1008

Wechat/Whatsapp: 0086-13641024477

QQ: 64570386

Email: multifit@multifite.com ; 64570386@qq.com

Website:<http://www.multifite.com> ; <http://www.multifitsolar.com>



Inverter / Charger

Product Characteristic

USB Output and Mobile charge
 High Efficiency/Energy Saving
 Low self-Consumption below 1.2A.It can reach zero at energy saving mode.
 Make sure the load capacity is above 200W.or the inverter can not be restarted automatically
 Leading energy saving technology
 With the AVR function.AC voltage fluctuated is within +-5%
 Pure sine wave
 Extreme overload capacity and super load capacity
 Working Appliance:Air-conditioners.refrigerators.water pumps.TV.Light.fans and other household appliances and office appliances etc.
 Durable. LF transformer technology design.it is suitable for the poor working conditions or where the grid power is not stable
 LCD display /Digitized Display optional
 DC reverse polarity protection

Performance Characteristic

CPU Technology control
 Big Charging current. up to 70Amp.
 LCD display /Digitized Display optional: Grid power.battery.AC output.Fault.Saving.
 Low voltage.Charging.
 Charging current.Battery capacity.
 Intelligent battery management for maximum battery life
 Automatically switch between the grid and inverter mode
 Transfer time is below 4 ms if the grid power are cut off
 220V/110V AC 50/60Hz is optional
 It can work with the generator
 Intelligent fan control mode.The fan work at Temperature $\geq 30^{\circ}\text{C}$.the inverter will protect by itself at temperature $\geq 100^{\circ}\text{C}$

Technical Data

Model	500W	1000W	1500W	2000W	3000W	4000W	5000W	6000W
Rated Power	500W	1000W	1500W	2000W	3000W	4000W	5000W	6000W
Input	Voltage	AC165-275V / 85-135V						
	Frequency	40-65HZ						
Output	Voltage	220/230/240V (110/115/120V) Adjustable						
	Frequency	50HZ-60HZ Adjustable						
	Waveform	Pure Sine Wave						
	THD	$\leq 3\%$						
	Efficiency	$\geq 80\%$						
Battery	Type	Optional						
	Rated Voltage	DC12V	DC24V				DC48V	
	Charging Current	0-30A Optional						
Protection	Over Temperature/Over Load/ Battery Discharge Voltage/ Battery Over Voltage/AC Input High Voltage /Low Voltage Protection							
Operating Mode	Normal, Energy Saving							
Transfer Time	$\leq 10\text{ms}$							
On Load Capacity	100%-120% 30s Protection, 125%-140% 15s Protection, $\geq 150\%$ 5s Protection							
Operating Range	Temp.	0 $^{\circ}\text{C}$ -50 $^{\circ}\text{C}$						
	Humidity	10%-90% (No Condensing)						

Battery Input Line Configuration

Model	500W	1000W	1500W	2000W	3000W	4000W	5000W	6000W
DC								
12V	10 mm ²	16 mm ²	—	—	—	—	—	—
24V	—	—	16 mm ²	16 mm ²	25 mm ²	—	—	—
48V	—	—	—	—	—	16 mm ²	25 mm ²	25 mm ²

AC110V Input and Output Wire Configuration

Model	500W	1000W	1500W	2000W	3000W	4000W	5000W	6000W
LINE	110VAC	110VAC	110VAC	110VAC	110VAC	110VAC	110VAC	110VAC
L-IN	≥ 1 mm ²	≥ 2 mm ²	≥ 3 mm ²	≥ 4 mm ²	≥ 6 mm ²	≥ 8 mm ²	≥ 10 mm ²	≥ 12 mm ²
N-IN	≥ 1 mm ²	≥ 2 mm ²	≥ 3 mm ²	≥ 4 mm ²	≥ 6 mm ²	≥ 8 mm ²	≥ 10 mm ²	≥ 12 mm ²
Ground Wire	≥ 1 mm ²	≥ 2 mm ²	≥ 3 mm ²	≥ 4 mm ²	≥ 6 mm ²	≥ 8 mm ²	≥ 10 mm ²	≥ 12 mm ²
L-OUT	≥ 1 mm ²	≥ 2 mm ²	≥ 3 mm ²	≥ 4 mm ²	≥ 6 mm ²	≥ 8 mm ²	≥ 10 mm ²	≥ 12 mm ²
N-OUT	≥ 1 mm ²	≥ 2 mm ²	≥ 3 mm ²	≥ 4 mm ²	≥ 6 mm ²	≥ 8 mm ²	≥ 10 mm ²	≥ 12 mm ²

AC220V Input and Output Wire Configuration

Model	500W	1000W	1500W	2000W	3000W	4000W	5000W	6000W
LINE	200VAC	220VAC	220VAC	220VAC	220VAC	220VAC	220VAC	220VAC
L-IN	≥ 0.5 mm ²	≥ 1 mm ²	≥ 1.5 mm ²	≥ 2 mm ²	≥ 3 mm ²	≥ 4 mm ²	≥ 5 mm ²	≥ 6 mm ²
N-IN	≥ 0.5 mm ²	≥ 1 mm ²	≥ 1.5 mm ²	≥ 2 mm ²	≥ 3 mm ²	≥ 4 mm ²	≥ 5 mm ²	≥ 6 mm ²
Ground Wire	≥ 0.5 mm ²	≥ 1 mm ²	≥ 1.5 mm ²	≥ 2 mm ²	≥ 3 mm ²	≥ 4 mm ²	≥ 5 mm ²	≥ 6 mm ²
L-OUT	≥ 0.5 mm ²	≥ 1 mm ²	≥ 1.5 mm ²	≥ 2 mm ²	≥ 3 mm ²	≥ 4 mm ²	≥ 5 mm ²	≥ 6 mm ²
N-OUT	≥ 0.5 mm ²	≥ 1 mm ²	≥ 1.5 mm ²	≥ 2 mm ²	≥ 3 mm ²	≥ 4 mm ²	≥ 5 mm ²	≥ 6 mm ²

Solar off-grid system

Bright lights, mechanical operation, starting from the inverter!



Factory real shot



Remarks:

Due to continuous innovation, research and product improvement, the specifications in this product information sheet are subject to change without prior notice. The specifications may deviate slightly and are not guaranteed.

The data do not refer to single module of contract and they are not part of the offer. They only serve for comparison to different module types.

Solar Projects (500W-3KW Solar System)



Solar Projects (5KW-10KW Solar System)

