



PRODUCTS

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Solar Inverter

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Solar&Wind&Utility Hybrid inverter 3000W-4000W-Solar AC

Product Characteristic 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 $\pm 5\%$ 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 DC reverse polarity protection

Product features

Specifications

Download

SolarAC series Solar/Wind/Grid Hybrid Inverter with Charger

Advantage

Solar AC Series Inverters are the Latest Developed Solar & Wind and Grid Combination inverter by Multifit Company. The Biggest Feature of this inverter is with the bypass solution between the Grid Power Supply and battery bank charged by hybrid solutions like wind or PV.

It is known as an Inverter with ATStfunction from the Solar or Wind Power to the Mains Power

It is applying the automatic CPUControl, and the Energy Saving Function as a common property.

Multifit Company is the only oneManufacturer of this new inverter (Solar AC series).

Traditional Solar Inverter: they are used on the stand Alone Solar Power Station or wind Power Station simply, when the Energy Produced from the Solar Panel or Wind turbine is running out, or the Battery Bank is not charged fully, the Power Supply will be Cutted off, and the system is not going to supply any other energy. Our Solar AC Series new Inverters solved this problem absolutely. When the energy produced from the solar Panel or Wind turbine is not enough, the Inverter will change to the Grid Power and continue to supply the power to AC Equipment and charge the battery at the same time, the customer can use the power without any break down. Our Solar AC Inverter had been widely used on the mountainous area and Inland, the area where have not enough power and less.

Solar power or wind power primary or gridpower primary can be setted by customers

LCDDisplay Data

Input/Output voltage	Output Power	Battery Voltage	Charge current	Input Frequency	Charge current setting
Language Version : Chinese/English/French/Russian	Charging voltage setting	Battery Capacity setting	Battery type setting	Solar Prior Grid prior setting	Energy saving

CommunicationData

Current	Rated power of load	Input/output voltage	Frequency
Battery capacity	Temperature	Remote control operation	Record of history data

TechnicalData SolarAC

AC output Load	SolarAC 3000W	SolarAC 4000W
Nominal AC voltage	220V/200-240V	220V/200-240V
Optional 220V/120V	120V/105V-132V	120V/105V-132V
Nominal AC frequency	50Hz/60Hz	50Hz/60Hz

Continuous AC power for 3 hours 25°C	3000W	4200W
Continuous AC power 25°C	3000W	4000W
Nominal AC current/	13.64A/40.91A 1ms	18.55A/54.63A 1ms
Max.AC current(peak)	25.0A/75.0A 1ms	33.33A/99.99A 1ms
THD output voltage	≤3%	≤3%
Power Factor	1.0	1.0
AC input (generator or grid)		
AC input voltage/range	220V/165-270V 120V/105V-132V	220V/165-270V 120V/105V-132V
AC input frequency	50Hz/60Hz	50Hz/60Hz
Battery DC input		
Battery voltage/range Optional	12V/10-16V 24V/20-32V 48V/40-64V	24V/20-32V 48V/40-64V
Max.battery charging current/continuous charging current at 25°C	30A/10-30A/50A	30A/10-30A/50A
Battery type/Battery Capacity	Lead acid 100-1000Ah	Lead acid 100-1000Ah
Charge control mode	3 stage	3 stage
Efficiency/Self-consumption		
Max.efficiency	>90%	>90%
Self-consumption with no load	35W	42W
Self-consumption with no load /standby/for LCD type only	5W	5W
Full intellective protection	Over voltage/over charge/AC short circuit/overload/battery discharge voltage/battery over voltage/overtemperature/over current/overheat protection/ dc polarity label	
Transfer time	≤ 4ms	
Dimension(L×W×H)	440×305×200	440×305×200
Net Weight	25	27
Operating temperature range	20°C ~ 45°C	20°C ~ 40°C
Degree of protection according to IEC60529	IP20	IP20
Noise emission typical	≤30dB (1M)	≤30dB (1M)
Permissible value for relative humidity	0% ~ 95%	0% ~ 95%
Accessories		
DC terminal	Anderson connector	Anderson connector
AC terminal	Europe terminal	Europe terminal
Warranty	2year	2year
Certificate	CE/ISO9001	CE/ISO9001
Instruction Manual	yes	yes
Optional Function		
Battery Cable	Optional	Optional
Interface USB/RS232	Optional	Optional
SNMP Card	Optional	Optional
Software CD	Optional	Optional
Internet monitor	Optional	Optional
Remoted control	Optional	Optional
DC reverse polarity protection	Optional	Optional
Automatically restart		

after cut off	Optional	Optional
Split phase 220V/110V+-5%:output	Optional	Optional
Alarm at inverter mode/silence	Optional	Optional
LCD Display	Optional	Optional

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