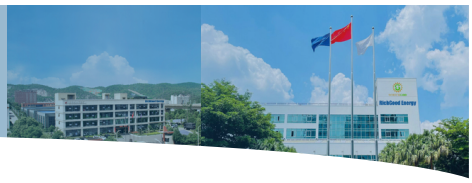

IP65 Hybrid Inverter For Outdoor Installation In Solar Energy Systems

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: GFS
- Certification: CE
- Minimum Order Quantity: 10 units
- Price: consult prices online
- Packaging Details: consult prices online
- Payment Terms: T/T

GFS-TLW I TLCW I SERIES Wind turbrine on Grid inverter

Product Specification

- Rated Power: 3000W To 10000W
- Efficiency: Up To 98% (Europe Efficiency: 96-97%)
- Input Voltage Range: 100V-850V DC
- Cooling Method: Natural Or Intelligent Air Cooling
- Protection Degree: IP65
- Communication Interfaces: RS232, RS485, GPRS (Optional)
- Highlight: **ip65 hybrid inverter**, **ip65 hybrid power inverter**, **3000w hybrid inverter**

Our Product Introduction

for more products please visit us on fuhaosolar.com

Product Description

Hybrid Inverter with IP65 Rating for Outdoor Installation in Solar Energy Systems

Main Features

- Max efficiency to 98%.
- Wide input voltage range . high efficient MPPT.
- Multiple inverters can be operated in parallel.
- W ithout insulated transformer . strong IP65 protection.
- Small and light , easy to installation .
- LCD display.
- Flexible monitoring mode, support RS232/RS485, WIFI/GPRS.

Protection Function

DC polarity reverse connection protection,Anti-island,input overvoltage, output overcurrent, output short circuit, overheat, overload, ground fault, grid overvoltage/low voltage, grid high/low frequency, grid monitoring, RCD testing.

Certification

VDE-AR-N4105, VDE0126, EN 61000, IEC/EN 62109, G59, G83, AS4777, AS/NZS 3100, IEC60068, IEC61683 LVD DIRECTIVE 2014/35/EU

Product Description:

The hybrid inverter is designed to deliver maximum efficiency of up to 98% while supporting wide input voltage ranges with high-efficiency MPPT technology. This product is designed for solar PV systems, allowing multiple inverters to be connected in parallel to increase output capacity. It features strong IP65 protection, making it suitable for outdoor installation, and is small and lightweight for ease of installation. The inverter is compatible with RS232, RS485, and GPRS monitoring options, offering flexible communication modes. This makes it ideal for home, commercial, and industrial solar energy applications.

DCINPUT				
Max.DC input power	3200W	5400W	5500W	10500W
Max.DCinput voltage	500VDC	500VDC	850VDC	850VDC
Max.DC input current	13A	26A	15A	30A
Power off/on voltage	100V/200VDC	100V/200VDC	200V/300VDC	200V/300VDC
OUTPUT(AC)				
Rated Power	3000W	5000W	5000W	10000W
Rated voltage	110V/230VAC	110V/230VAC	380V±40V	380V±40V
Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Phase number	Single Phase L+N+PE	Single Phase L+N+PE	Three Phase L+N+PE	Three Phase L+N+PE
Power Factor	1	1	0.99	0.99
Max Current	13.6A	23A	7.5A	15A
CurrentTHD(AT Rated Power)	<3.5%	<3.5%	<3.5%	<3.5%
Max Efficiency	97.3%	97.6%	98%	98%
Europe Efficiency	96%	97.1%	97%	97%
STRUCTURE				
Protection Degree	IP65	IP65	IP65	IP65
Cooling Method	Natural Cooling	Natural Cooling	Interlligent Air Cooling	Interlligent Air Cooling
Display	LCD	LCD	LCD	LCD

Isolation type	Non-isolated	Non-isolated	Non-isolated	Non-isolated
Topology No Transformer NoTransformer No Transformer No Transformer				
InputTermina	MC4	MC4	MC4	MC4
Output Termina Connector terminals		Connector terminals Connector terminals Connector terminals		
Data interfaces	RS232/RS485 WiFI/GPRS(Optional)	RS232/RS485 WiFi/GPRS(Optional)	RS232/RS485 WiFi/GPRS(Optional)	RS232/RS485 WiFi/GPRS(Optional)
GENERAL PARAMETERS				
Noise <50dB <50dB <50dB <50dB				

Night power Consumption	<0W	<0W	<0W	<0W
Operation temperature Range -10℃-60℃ -10℃~60℃ -10℃~60℃ -10℃~60℃				
Storage temperature	-15℃~60℃	-15℃~60℃	-15℃~60℃	-15℃~60℃
Relatve humidity 0~100% 0~100% 0~100% 0~100%				
Altitude	≤2000m	≤2000m	≤2000m	≤2000m
Size(W*H*D) 335*365*150mm 405*415*190mm 405*560*260mm 420*610*260mm				
Wei ght	14kg	22kg	38kg	42kg
Note:can be customized according to customer requirements				

Application:

This hybrid inverter is ideal for a variety of solar energy applications, including residential, commercial, and industrial settings. Its ability to operate multiple inverters in parallel and support remote monitoring makes it suitable for both small and large-scale solar power systems. The advanced protection functions, including anti-island, input/output voltage regulation, and grid monitoring, ensure the safety and stability of the energy supply. It is particularly effective in locations with variable grid conditions or where solar energy is the primary energy source.

Shipping Methods

Supports global air and sea shipping.

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