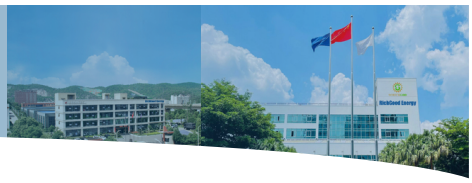

IP65 3000W To 10000W Grid Tie Inverters And MPPT Technology

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: GFS
- Certification: CE
- Model Number: TISP
- Minimum Order Quantity: 50 units
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T

GFS-TLC I SERIES Photovoltaic Grid Tie Inverter

Product Specification

- Max Efficiency: 98%
- Input Voltage Range: 200-820VDC
- Rated Power: 3000W To 10000W
- Protection Degree: IP65
- MPPT Tracking Voltage: 200-820VDC
- Operating Temperature Range: -10°C To +60°C
- Highlight: **10000W Grid Tie Inverters**, **3000W Grid Tie Inverters**, **IP65 hybrid grid tie inverter**

Our Product Introduction

for more products please visit us on fuhaosolar.com

Product Description

Optimal Performance with Grid-Tie Inverters and MPPT Technology

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:

This is a highly efficient solar inverter, designed to support parallel operations of multiple inverters with a wide voltage range and MPPT technology for optimal performance. Its small size and lightweight design, coupled with strong IP65 protection, make it ideal for outdoor installations. Featuring an LCD display, this inverter provides user-friendly monitoring capabilities and supports RS232/RS485, and optional WiFi/GPRS communication for remote management. It offers protection against DC polarity reverse connection, overvoltage, and other fault conditions, ensuring reliable and safe operation in various grid environments. The inverter operates with high efficiency, maximizing energy conversion and minimizing losses.

DCINPUT				
Max.DC input power 3200W 5500W 8400W 10500W				
Max.DC input voltage	850VDC	850VDC	850VDC	850VDC
Max.DC input current 12A 15A 20A 30A				
MPPT Tracking voltage range	200-820VDC	200-820VDC	200-820VDC	200-820VDC
MPPT Tracking voltage Number	1	1	1	1
Power off/on voltage	200V/300VDC	200V/300VDC	200V/300VDC	200V/300VDC
AC OUTPUT				
Rated Power	3000W	5000W	8000W	10000W
Rated voltage	380V±40V	380V±40V	380V±40V	380V±40V
Frequency 50Hz/60Hz(Auto-sensing 50Hz/60Hz(Auto-sensing)50Hz/60Hz(Auto-sensing 50Hz/60Hz(Auto-sensing				
Phase number	Three Phase L+N+PE	Three Phase L+N+PE	Three Phase L+N+PE	Three Phase L+N+PE
Power Factor 0.99 0.99 0.99 0.99				
Max Current	4.3A	7.5A	10A	15A
Current THD(AT Rated Power) <3.5% <3.5% <3.5% <3.5%				
MaxEfficiency	98%	98%	98%	98%
Europe Efficiency	97%	97%	97%	97%
MPPT Efficiency	99.5%	99.5%	99.5%	99.5%

STRUCTURE				
Protection Degree IP65 IP65 IP65 IP65				
Cooling Method	Interlligent Air Cooling	Interlligent AirCooling	Interlligent Air Coolng	Interlligent Air Cooling
Display	LCD	LCD	LCD	LCD
Ilsolation type	Non-isolated	Non-isolated	Non-isolated	Non-isolated
Topology	No Transformer	No Transformer	No Transformer	No Transformer
Input Terminal	MC4	MC4	MC4	MC4

Output Terminal	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	s2000m	≤2000m	≤2000m	s2000m
Size(W*H*D) 440×560×260mm 440×560×260mm 420×620×260mm 420×610×260mm				
Wei ght	37kg	38kg	41kg	42kg
Note:can be customizedaccording to customer requirements				

Application:

This inverter is suited for a range of applications, including residential, commercial, and industrial solar power systems. It can be used in grid-tied solar installations or hybrid setups where multiple inverters need to work in parallel. Due to its robust design and weatherproofing (IP65 protection), it is ideal for outdoor use in harsh environments, ensuring long service life and minimal maintenance requirements. With its flexible monitoring and control options, it is perfect for modern solar energy management systems that require precise monitoring, optimization, and reliable grid interactions.

Shipping Methods

Supports global air and sea shipping.

RICHGOOD ENERGY CO.,LTD

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