



Flexible Energy Solutions Hybrid Inverters For Grid Tied And Off Grid Setups

Our Product Introduction

Basic Information

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



GFS-TLCHI W SERIES Grid Tie Hydraulic Inverter

Product Specification

- Efficiency: 98% Max
- Rated AC Output Power: Available In 20KW, 30KW, 50KW, And 100KW Models
- Protection Level: IP65, Suitable For Harsh Environmental Conditions
- Grid Voltage Range: 360~450VAC, 50Hz/60Hz \pm 5%
- Maximum DC Input Power: Ranges From 22KW To 110KW
- Cooling Method: Forced Air Cooling With Low Noise Operation (\leq 60dB)
- Highlight: **IP65 on grid off grid hybrid inverter, 20KW on grid off grid hybrid inverter, 30KW single phase hybrid inverter**

for more products please visit us on fuhaosolar.com

Product Description

Flexible Energy Solutions Hybrid Inverters for Grid-Tied and Off-Grid Setups

Main Features

- Max efficiency as much as 98 %.
- Multiple inverters can be operated in parallel.
- Easy operation and installation.
- Easy -to-set multilingual LCD display

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.

Product Description:

This high-performance hybrid inverter offers an impressive efficiency of up to 98%, making it an ideal choice for renewable energy systems. Designed to support multiple inverters in parallel operation, it provides flexibility in power management, and its easy-to-install setup simplifies deployment. With a multilingual LCD display, it ensures seamless configuration and monitoring across various regions. Engineered for robust grid management, the inverter includes advanced protection functions such as DC polarity reverse connection, island protection, and grid monitoring for enhanced safety.

DC INPUT			
Maximum DC input power 22KW 33KW 55KW 110KW			
Max.DCinput voltage	550VDC		600VDC
AC input range 200-550VAC 300-600VAC			
OUTPUT(AC)			
Rated AC output power 20KW 30KW 50KW 100KW			
Current harmonic THD <3%(At rated power)			
Power factor >0.99			
Maximum efficiency 94%			
Output rated voltage Three-phase 400VAC			
Grid voltage range Three-phase 360~450VAC			
Grid frequency range 50Hz/60Hz±5%			
STRUCTURE			
Display		LCD+Meter	
Input interface	Connector terminals		Circuit breaker
Output interface	Connector terminals		Circuit breaker
Communication interface		RS232/RS485(Optional)	
Cooling mode	Forced air cooling		
Protection Degree	IP65		IP20(indoor)

GENERAL PARAMETERS	
Night power Consumption	<5W <5W
Automatic operation conditions	The AC input and power grid meet the requirements, and the inverter operates automatically
Restart time	1min
Protection function	Short circuit, island, overheating, overload, etc
WIFI/GPRS	Support(optional)
Operation temperature Range	-15°C-50°C
Altitude	≤2000m
Noise	≤40dB ≤60dB
Size(W*H*D)	550*730*270mm 550*850*260mm 800*1100*600mm 800*1800*600mm
Note: can be customized according to customer requirements	

Application:

This hybrid inverter is highly suitable for residential, commercial, and industrial applications where grid stability and renewable energy integration are key. It can efficiently manage power inputs from photovoltaic systems, grid power, and energy storage systems, providing uninterrupted power supply and maximum energy conversion. Its compact design and IP65 protection

make it ideal for both indoor and outdoor installations. This inverter is perfect for grid-tied setups or off-grid applications requiring flexible energy solutions.

Shipping Methods

Supports global air and sea shipping.



RICHGOOD ENERGY CO.,LTD



willia@fuhaosolar.com



fuhaosolar.com

Rm3810 Baoli E Building Pa Zhou Haizhu district Guangzhou