



LV Single Phase Hybrid Inverter With Battery Support And Colorful LCD Display

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: GK
- Certification: CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727 IEC 61000-6-1/2/3/4, IEC/EN 62109-1/2
- Model Number: GKLSHI
- Minimum Order Quantity: 50 units
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



Product Specification

- Max. Charging/Discharging Current: 290A
- Rated AC Output Power: 12000W / 14000W / 16000W (depending On Model)
- Number Of Parallel Systems Supported: 16 Pcs
- MPPT Voltage Range: 150-425V
- Communication: RS485, CAN
- IP Protection Level: IP65
- Highlight: Single Phase hybrid inverter with battery, 12000W hybrid inverter with battery, 16000W grid tie hybrid solar inverter

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Product Description

LV Single-phase Hybrid Inverter with Multiple Battery Support and Colorful LCD Display

Product Description:

The LV Single-phase Hybrid Inverter offers a maximum efficiency of 97.60%, euro efficiency of 96.50%, and MPPT efficiency of 99.90%. This inverter provides comprehensive protection, including PV input lightning protection, anti-islanding protection, and over-voltage protection. It is capable of retrofitting existing solar systems with both DC and AC coupling, ensuring adaptability. The inverter supports up to 16 units in parallel for on-grid and off-grid applications, making it a flexible solution for a variety of installation scenarios.

Battery Data		
Bottery Type Lead-acid or L-Ion		
Battery Voltage Range 40~60V		
Max.Charging Current 220A	250A	290A
Max Discharging Curent 220A	250A	290A
UPS Power 12000W	14000W	16000W
External Temperature Sensor Yes		
Charging Curve 3 Stoges /Equalization		
Charging Strategy for LHon Bottery Self-adaption to BMS		
PV String Input Dato		
Max DCInput Power 15600W	18200W	20800W
Max.DC Input Voltage 500V		
Start-up Voltage 150V		
MPPT Range 150-425V		
Rated DC Input Voltage 370V		
PVInput Ourrent 26+26A	26+26+26A	26+26+26A
Max PVsc 44+44+44A 44+44+44A		44+44+44A
Number of MPPT/Strings per MPPT 3/2 3/2 3/2		
AC Output Data		
Roted AC Output 12000W	14000W	16000W
ACOutputRated Current 52.2A	60.9A	69.6A
Max.Continuous AC Passthrough 100A		
Peak Power (off grid) 2 time of rated power,5S		
Power Factor 0.8 leoding to 0.8 lagging		
Output Frequency and Voltage 50/60Hz;LN/PE 220/230Vac (single phase)		
Grid Type Single Phase		
DCInjection current (mA) <0.5%1n		
Bockup Dato		
Bockup Power 10000W	12000W	14000W
Bockup Roted Current 43.5A	52.2A	60.9A
Bockup UPS 6ms Automatic switchover time		
Efficiency		
Max Efficiency 97.60%		
Euro Efcency 96.50%		
MPPI Efdency	99.90%	
Protection		
Integroted	PVInput Ughtring Protection,Antislanding Protection,PV String Input Reverse Polarty Protection,Insulation Resistor Detection,Residual Current Monitoring Unit Output Over Current Protection,Output ShortedProtection,Surge protection	
	Output Over Voltage Protection DC Type I/AC Type II	
Certificotions and Standards		
Grid Regulation	CEI 0-21,VDE-AR-N 4105,NRS 097,IEC 62116,IEC 61727,G99,G98	
	VDE 0126-1-1,RD1699,C10-11	
Safety EMC/Standard IEC/EN 61000-6-1/2/3/4,IEC/EN62109-1,IEC/EN 62109-2		
GeneralData		
Operating Temperature Range(°C) -45~60°C,>45°C derating		
Cooling	Smort cooling	
Noise(dB)	<30 dB	
Communication with BMS	RS485;CAN	
Weight	48.5kg/107 lbs	
Size(W*H*D)	464*798.4*300mm/18.3*31.4*11.8 in	
Protection Degree	IP65	
Installation Style	Wall-mounted	
Warranty 5 years		
Fegtures		
Max.Number of Parallel (PCS) 16		

Application:

This inverter is ideal for residential and small commercial applications where energy storage and solar systems need to integrate seamlessly. It is designed for retrofitting purposes and provides support for multiple battery installations. The colorful LCD display and IP65 protection degree

ensure durability and ease of use in both indoor and outdoor environments. It also supports diesel generator energy storage and features 6 time periods for battery charging and discharging, making it suitable for areas with frequent power fluctuations.

Shipping Methods

Supports global air and sea shipping.



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