



IP65 Rated LV Three Phase Hybrid Inverter For Outdoor Installations

Basic Information

- Place of Origin: China
- Brand Name: GK
- Certification: VDE4105, IEC61727/62116, VDE0126, AS4777.2 CEI 0-21, EN50549-1 IEC/EN 61000-6-1/2/3/4 IP65
- Model Number: GKLTHI
- Minimum Order Quantity: 20 units
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



Product Specification

- Max Efficiency: 97.60%
- Charging Current: 240A
- Operating Temperature Range: -40°C To 60°C
- Battery Voltage Range: 40~60V
- Rated AC Output Power: 12000W
- MPPT Efficiency: 99.90%
- Highlight: **IP65 three phase hybrid inverter,
240A three phase hybrid inverter,
60V three phase hybrid solar inverter**

Product Description

IP65 Rated LV Three-phase Hybrid Inverters for Outdoor Installations

Product Description:

The LV Three-phase Hybrid Inverter is designed to support both on-grid and off-grid applications. It offers an integrated DC and AC coupling solution, making it compatible with various energy storage systems. With a maximum efficiency of 97.60%, this inverter ensures optimal energy conversion for solar power systems. The inverter comes equipped with multiple layers of protection, including PV input lightning protection, over-current protection, and surge protection, ensuring both safety and reliability.

This inverter can handle up to 240A charging/discharging current, making it suitable for large-scale energy storage needs. The system supports parallel operation of up to 16 units, providing scalability for various commercial and residential setups. Additionally, its IP65 rating makes it suitable for outdoor installations, offering protection against harsh environmental conditions.

Battery Input Data			
Battery Type Lead-acid or Li-on			
Bottery Voltage Range 40~60V			
Max.Charging Current	190A	210A	240A
Max.Discharging Current	190A	210A	240A
External Temperature Sensor		Yes	
Charging Curve		3 Stages /Equalization	
Charging Strategy forLiHon Battery Self-adaption to BMS			
PV Sting Input Dota			
Max.DC Input Power 10400W		13000W	15600W
Rated PVInput Voltage 550(160-800)V			
Start-up Voltage 160V			
MPPT Voltage Range 200-650V			
FullLoad DCVoltage Range 350-650V			
PV Input Current 13+13A		26+13A	
Max.PVIsC 17+17A		34+17A	
No.of MPP Trackers 2			
No.of Strings per MPP Tracker 1+1		2+1	
AC Output Data			
Rated ACOutput and UPS Power 8000W		10000W	12000W
Max.AC Output Power 8800W		11000W	13200W
AC OutputRated Current 12.1/11.6A		15.2/14.5A	18.2/17.4A
Max.AC Current 18.2/17.4A		22.7/21.7A	27.3/26.1A
Max.Continuous ACPassthrough (A) 45			
Peok Power (off grid) 2 time of rated power,10 S			
Power Factor 0.8 leading to 0.8 lagging			
Output Frequency and Voltage 50/60Hz;3L/N/PE 220/380,230/400Vac			
Grid Type Three Phase			
Total Harmonic Distortion(THD) <3%(of nominal power)			
DC current injection		<0.5%In	
Efficiency			
Max.Efficiency 97.60%			
EuroEfficiency		97.00%	
MPPT Efficiency		99.90%	
Protection			
Integrated	PV Input Lightning Protection,Anti-islanding Protection,PV String Input Reverse Polarity Protection,Insulation Resistor Detection,Residual Current Monitoring Unit, Output Over Current Protection,Output Shorted Protection,Surge protection		
Output Over Voltage Protection DC Type II/AC Type IIII			
Certifications and Standards			
Grid Regulation	VDE4105,IEC61727/62116,VDE0126,AS4777.2,CEI021,EN50549-1		
Safety EMC/Standard	G98,G99,C10-11,UNE217002,NBR16149/NBR16150 IEC/EN 61000-6-1/2/3/4,IEC/EN 62109-1,IEC/EN 62109-2		
General Data			
Operating Temperature Range(°C	-40-60°C.>45°C derating		
Cooling	Smart cooling		
Noise(dB)	<45 dB		
Communication with BMS	RS485;CAN		
Weight	33.6kg /74 lbs		
Size(W*H*D)	422*699.3*279mm/16.6*27.5*11.0 in		
Protection Degree	IP65		

Installation Style	Wall-mounted
Warranty	5 years

Application:

The LV Three-phase Hybrid Inverter is perfect for residential and commercial solar energy storage solutions, enabling smooth transitions between on-grid and off-grid operations. It's ideal for locations that require high energy demand and integration with diesel generators, such as large homes, small businesses, and energy-reliant industries.

Shipping Methods

Supports global air and sea shipping.



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