felicitysolar®

Make life full of hope



8KVA

Hybrid Solar Inverter

IVGM Series Low-voltage | Split Phase

Features

- Configurable parameters and working mode by LCD touch screen.
- Supporting WiFi monitoring and Fsolar smart cloud monitoring system.
- Battery charge and discharge current up to 120A~190A.
- Prevent grid overload with built-in limit function while seamlessly switching between battery and grid supply within 10ms for uninterrupted power.
- IP65 protection level.
- Optimize energy use with Time-of-Use, Sell-First, and Zero Export options to maximize savings and efficiency.
- 4-channel PV, 2-channel MPPT, 1.5 times over configuration capacity.
- Programmable generator port, support smart load and micro inverter access.
- Support parallel operation with single-phase, and three-phase.
- Max. 6 units in parallel



IVGM8KLP2G1

Guangzhou Felicity Solar Technology Co.,Ltd.

www.felicitysolar.com sales@felicitysolar.com

No. 2, Donghua Huaye Road, Renhe Town, Baiyun District, Guangzhou, China **(Only 10 Mins from Baiyun International Airport)**

Official Website

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Model	IVGM8KLP2G1
Battery Input Data	
Battery Voltage Range	40V~60V
Max. Charging and Discharging Current	190A/190A
Max. Charging and Discharging Power	8000W
Battery Type	Li-Ion /Lead-acid
DC Input Data(PV side)	
Max. Recommended PV Power	12000W
Max. PV Voltage	500V
Start Voltage	100V
PV Voltage Range	90V-500V
MPPT Voltage Range	120V-425V
MPPT Voltage Range for Full Load	230V-425V
Nominal Voltage	380V
Pv Input Current	26A+26A
Max. Shorted Current	44A+44A
Number of MPP Trackers / Strings Per MPP Tracker	2/2
Grid Data	
Nominal Input Voltage	120/240Va.c (Split Phase), 208Va.c (2/3 Phase)
Nominal Grid Frequency	50/60Hz
Max. AC Output Power	8800W
AC Output Rated Current	33.3A
Max. Output Current	36.7A
Max. Continuous AC Passthrough	50A
AC Output Data(Back Up)	
Rated Output Power	8000W
Max. Output Current	40A
Rated AC Output Voltage	120/240Va.c (Split Phase), 208Va.c (2/3 Phase)
Rated AC Output Frequency	50/60Hz
Protection	
Output Over Current Protection	Integrated
Output Over Power Protection	Integrated
Output Short-Circuit Protection	Integrated
Anti-islanding Protection	Integrated
GFCI Protection	Integrated
Arc Fault Circuit Interrupter(AFCI)	Integrated
Insulation Resistor Detection	Integrated
General Data	
Operating Temperature Range	-25°C~60°C, >45°C Derating
Protection Degree	IP65
Cooling Concept	Smart Cooling
Communication	RS232 / RS485
BMS Communication	CAN / RS485
Monitor Module	WiFi / GPRS
Display	LCD+LED
Installation Style	Wall-mounted
Warranty	10 Years
Grid Regulation(In progress)	VDE 4105、CEI 0-21、G99、NRS 097-2-1、EN 50549-1、EN 50549-10、NC RFG(Poland)、EN 50549-1/-10+Netherlands、PPDS、NTS & UNE217001 & UNE217002、UL1741
Safety Regulation	IEC 62109-1/-2
EMC	IEC/EN 61000-6-1/2/3/4、EN/IEC 61000-3-11/12
Net Weight(KG)	33.5KG
Gross Weight(KG)	40.5KG
Product Dimension(MM)	430*654*243MM
Package Dimension(MM)	787*547*358MM

*Refer to Felicitysolar's Warranty Policy for applicable conditions.

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