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 190A.
- Optimize energy use with Time-of-Use, Sell-First, and Zero Export options to maximize savings and efficiency.
- Prevent grid overload with built-in limit function while seamlessly switching between battery and grid supply within 10ms for uninterrupted power.
- 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, split phase and three-phase.
- IP65 protection level.

IVGM8KLP2G1/-EU

Model	IVGM8KLP2G1	IVGM8KLP2G1-EU
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-550V	
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	120/240Vac (Split Phase), 208Vac (2/3 Phase)	220/230Vac (Single 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	120/240Vac (Split Phase), 208Vac (2/3 Phase)	220/230Vac (Single Phase)
Rated AC Output Frequency	50/60Hz	
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.

DC AC

Communication

