

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

