felicitysolar®

Make life full of hope



5-8kW

Hybrid Solar Inverter

IVGM Series Low-voltage | Split Phase

Features

- Remote Monitoring via Fsolar APP
- 1.5 x PV Input Oversizing
- High Current for Battery Charging/Discharging
- Generator / Smart Load / Microinverter Compatible
- Time of Use Function
- Max.6 Units in Parallel
- IP65-rated Protection
- User-friendly Touchscreen



IVGM5-8KLP2G1

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	IVGM5KLP2G1	IVGM6KLP2G1	IVGM7KLP2G1	IVGM8KLP2G1
Battery Input Data				
Battery Voltage Range	40V~60V			
Max. Charging and Discharging Current	120A/120A	135A/135A	190A/190A	190A/190A
Max. Charging and Discharging Power	5000W	6000W	7600W	8000W
Battery Type	Li-Ion /Lead-acid			
DC Input Data(PV side)				
Max. Recommended PV Power	7500W	9000W	11400W	12000W
Max. PV Voltage	500V			
Start Voltage	100V			
PV Voltage Range	90V-500V			
MPPT Voltage Range	120V-425V			
MPPT Voltage Range for Full Load	290V-425V	230V-425V	230V-425V	230V-425V
Nominal Voltage	380V			
Pv Input Current	13A+13A	26A+13A	26A+26A	26A+26A
Max. Shorted Current	17A+17A	44A+17A	44A+44A	44A+44A
Number of MPP Trackers / Strings Per MPP Tracker	2/1+1	2/2+1	2/2	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	5500W	6600W	8360W	8800W
AC Output/Input Rated Current	20.8A	25A	31.7A	33.3A
Max. Output Current	22.9A	27.5A	34.8A	36.7A
Max. Continuous AC Passthrough	40A	40A	50A	50A
AC Output Data(Back Up)				
Rated Output Power	5000W	6000W	7600W	8000W
Max. Output Current	40A	40A	40A	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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