

25KVA

Hybrid Solar Inverter

IVGM Series | High-voltage | Three Phase

Features



Remote Monitoring
via FSolar APP



Supports Single-phase/
Three-phase Output



Wide Grid
Standard Compatibility



Generator / Smart Load /
Microinverter Compatible



Time of
Use Function



Max. 12 Units
in Parallel



IP65-rated
Protection



User-friendly
Touchscreen



IVGM25KHP3G3



Model	IVGM25KHP3G3	
Battery Input Data		
Battery Type	LFP (LiFePO4)	
Battery Voltage Range	160~700Vdc	
Max. Charging Current	50(A)	
Max. Discharging Current	50(A)	
Number of Battery Input	1	
PV String Input Data		
Max. DC Access Power	50kW	
Max. DC Input Power	40kW	
Max. DC Input Voltage	1000Vdc	
Min. DC Input Voltage	150Vdc	
Start-up Voltage	200Vdc	
Rated DC Input Voltage	600Vdc	
MPPT Range	200~850Vdc	
Full Load DC Voltage Range	666~850Vdc	
PV Input Current	30+30(A)	
Max. PV Isc	39+39(A)	
No.of MPP Trackers	2	
No.of Strings Per MPP Tracker	2+2	
AC Output Data		
Rated AC Input/Output Power	25kW	
Max. AC Input/Output Apparent Power	27.5kVA	
AC Input/Output Rated Current	36.3A	
Max. AC Current	39.8A	
Peak Power(off-grid)(W)	1.5times of rated power,10s	
Max. Continuous AC Passthrough (grid to load)(A)	80 (A)	
Rated AC Voltage	220/380,230/400 Vac (-20%~+15%)	
AC Wiring Mode	3L+N+PE	
Rated AC Frequency	50 /60 Hz (45~55 Hz/55~65 Hz)	
THDI	<3% (At Rated Power)	
Power Factor	0.8(leading) to 0.8(lagging)	
DC Injection Current	<0.5% In	
Safety and Standards		
Grid Regulation	NRS 097-2-1, VDE4105, EN50549-1, AS 4777.2, PTPIREE, EN 50549-1/10, NTS 631:2021, UNE217001, UNE217002, TED749, RD647, EIFS 2018:2, PPDS ANNEX 4:2021	
Safety EMC / Standards	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2	
Equipment Protection		
DC Polarity Reverse Connection Protection	Integrated	
AC Output Overcurrent Protection	Integrated	
AC Output Overvoltage Protection	Integrated	
AC Output Short Circuit Protection	Integrated	
Thermal Protection	Integrated	
DC Terminal Insulation Impedance Monitoring	Integrated	
DC Component Monitoring	Integrated	
Ground Fault Current Monitoring	Integrated	
Arc fault circuit interrupter (AFCI)	Integrated	
power Network Monitoring	Integrated	
Island Protection Monitoring	Integrated	
Earth Fault Detection	Integrated	
DC input Switch	Integrated	
Overvoltage Load Drop Protection	Integrated	
Residual Current (RCD) Detection	Integrated	
Surge Protection Level	TYPE II(DC), TYPE II(AC)	
General Data		
Net Weight	41.4KG	
Gross Weight	47.4KG	
Product Dimension	642*445*237.5MM	
Package Dimension	784*563*367MM	
Protection Degree	IP65	
Operating Temperature Range	-40 to 60°C(> 45°C Derating)	
Humidity	0~ 95 % (No Condensation)	
Cooling	Smart Cooling	
Communication with BMS	RS485,CAN	
Monitor Module	WiFi/4G	
Installation Style	Wall-mounted	
Warranty	5 Years/10 Years	
the Warranty Period Depends the Final Installation Siteof Inverter More Info Please Refer to Warranty Policy		

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