

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



IP66-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	IP66
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.