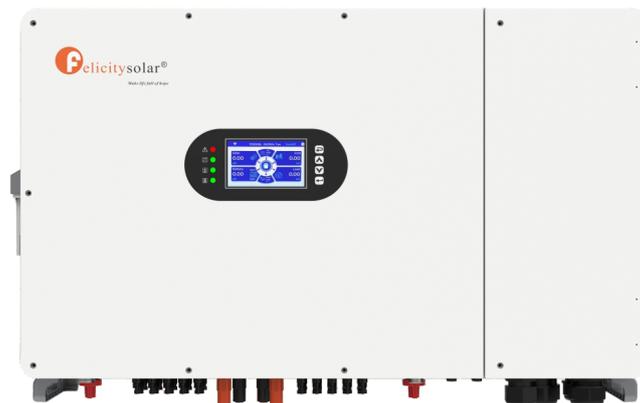


125KVA

Hybrid Solar Inverter

IVGM Series | High-voltage | Three Phase



IVGM125KHP3G1

Features



0ms Grid-to-off-grid Transfer



Supports Single-phase/Three-phase Output



Active PID Recovery Function for Long-term Energy Yield



Remote Monitoring via FSolar APP



Max.12 Units in Parallel



2x PV Input Oversizing



Dual Independent Batteries for Stable High-power Operation



Wide Grid Standard Compatibility



IP66-rated Protection



Generator / Smart Load / Microinverter Compatible

Model	IVGM125KHP3G1
Battery Input Data	
Battery Type	LFP (LiFePO4)
Battery Voltage Range	160~1000Vdc
Max. Charging Current	120+120(A)
Max. Discharging Current	120+120(A)
Number of Battery Input	2
PV String Input Data	
Max. DC Input Power	250kW
Max. DC Input Voltage	1000Vdc
Start-up Voltage	180Vdc
Rated DC Input Voltage	600Vdc
MPPT Range	150~850Vdc
Full Load DC Voltage Range	555~850Vdc
PV Input Current	10x45(A)
Max. PV Isc	40x68(A)
No.of MPP Trackers	10
No.of Strings Per MPP Tracker	2
AC Input/Output Data	
Rated AC Input/Output Power	125kW
Max. AC Input/Output Power	137kVA
AC Input/Output Rated Current	181.2A
Max. AC Input/Output Current	198.6A
Max. Output Overcurrent Protection (A)	270 A
Max. AC Bypass (grid to load)	270 A
Single Phase Peak Power (off-grid)	1.5 times of rated power, 10s
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	IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G99, VDE-AR-N 4110
Safety EMC / Standard	IEC61000-6-2/4, CEI 0-16
Surge Protection Level	TYPE III(DC), TYPE III(AC)
Over Voltage Category	OVC II(DC), OVC III(AC)
Protection	
PV Input Lightning Protection	Integrated
PV String Input Reverse Polarity Protection	Integrated
Battery Input Lightning Protection	Integrated
Battery Input Reverse Polarity Protection	Integrated
DC Component Detection	Integrated
Insulation Resistor Detection	Integrated
Residual Current Monitoring Unit	Integrated
Arc Fault Monitoring (optional)	Integrated
Output Over Current Protection	Integrated
Output Shorted Protection	Integrated
Output Over Voltage Protection	Integrated
Remaining Current (RCD) Monitoring	Integrated
Overheat Protection	Integrated
Anti-islanding Protection	Integrated
AC Output Lightning Protection	Integrated
General Data	
Protection Degree	IP66
Operating Temperature Range	-40 to 60 °C (> 45 °C derating)
Humidity	0~100 % (No condensation)
Cooling	Smart cooling
Altitude	4000 m
Inverter Topology	Non-isolated
Parallel Compatible	Up to 12 in parallel
LCD/LED Display	LCD+LED
Communication With BMS	RS485/CAN
Monitor Module	WIFI/Bluetooth/4G/LAN(optional)
Installation Style	Wall-mounted
Warranty	10 years
Net Weight (KG)	156KG
Gross Weight (KG)	200KG
Product Dimension(MM)	1271*814.5*379.5MM
Package Dimension(MM)	1410*960*646MM

*Product specifications may vary during continuous improvements. Please contact us for latest details.

*Refer to Felicitysolar's warranty policy for applicable conditions.