

20KVA

Hybrid Solar Inverter

IVGM Series Low-voltage | Three Phase

Features

- Supports WiFi monitoring and F solar smart cloud monitoring system.
- Supports 100% unbalanced three-phase output for flexible load connection.
- LCD touch screen for easy parameter and mode settings.
- Fit for outdoor installation with IP65 protection level.
- Uninterrupted power with EPS function.
- Compatible with generator, microgrid, and smart load port.
- Time of Use function to save on electricity cost.
- Battery charge and discharge current up to 350A.
- 2-channel MPPT, 4-channel PV, 1.6 times overconfiguration capacity.
- Max. 10 units in parallel.
- Auto restart while AC is recovering.



IVGM20KLP3G1



Model	IVGM20KLP3G1	IVGM18KLP3G1	IVGM16KLP3G1	IVGM15KLP3G1	IVGM14KLP3G1	IVGM12KLP3G1	IVGM10KLP3G1
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Battery Input Data

Battery Type	Li-Ion / Lead-acid						
Battery Voltage Range	40V~60V						
Max. Charging/Discharging Current	350A	330A	300A	280A	260A	240A	210A

PV String Input Data

Max. PV Input Power	32kW	28.8kW	25.6kW	24kW	22.4kW	18kW	15kW
Max. PV Input Voltage	800V						
Start-up Voltage	160V						
MPPT Voltage Rang	160V-650V						
Rated DC Input Voltage	550V						
Full Load DC Voltage Range	550V-800V	500V-800V	445V-800V	416V-800V	389V-800V	347V-800V	289V-800V
Max. Operating PV Input Current	36+36(A)					26+26(A)	
Max. Input Short-Circuit Current	54+54(A)					39+39(A)	
No. of MPP Trackers /No. of Strings MPP Tracker	2/2+2						

AC Input/Output Data

Rated AC Input/Output Active Power	20kW	18kW	16kW	15kW	14kW	12kW	10kW
Max. AC Input/Output Apparent Power	22kVA	19.8kVA	17.6kVA	16.5kVA	15.4kVA	13.2kVA	11kVA
Peak Power (Off-grid)	2 Times of Rated Power, 10s						
Rated AC Input/Output Current	28.9A	26.1A	23.2A	21.8A	20.3A	17.4A	14.5A
Max. AC Input/Output Current	31.9A	28.7A	25.5A	23.9A	22.3A	19.2A	16A
Max. Continuous AC Passthrough (Grid to Load)	70A					45A	
Max. Output Overcurrent Protection	92A					65A	
Rated Input/Output Voltage/Range	220/380,230/400Vac(-20%~+15%)						
AC Wiring Mode	3L+N+PE						
Rated Input/Output Grid Frequency/Range	50/60 Hz(45~55Hz/55~65Hz)						

Equipment Protection

DC Polarity Reverse Connection Protection	Yes
AC Output Overcurrent Protection	Yes
AC Output Overvoltage Protection	Yes
AC Output Short Circuit Protection	Yes
Thermal Protection	Yes
DC Terminal Insulation Impedance Monitoring	Yes
DC Component Monitoring	Yes
Ground Fault Current Monitoring	Yes
Arc Fault Circuit Interrupter (AFCI)	Yes
Power Network Monitoring	Yes
Island Protection Monitoring	Yes
Earth Fault Detection	Yes
DC Input Switch	Yes
Overvoltage Load Drop Protection	Yes
Residual Current (RCD) Detection	TYPE II(DC), TYPE II(AC)

Certification and Standards

Grid Regulation	NRS 097-2-1, VDE4105, EN50549-1, AS 4777.2, GB / T 34120, GB / T 34133, GB / T 34129
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2

General Data

Net Weight(KG)	48.7KG
Gross Weight(KG)	60.2KG
Product Dimension(MM)	750x450x268MM
Package Dimension(MM)	889x566x397MM
Protection Degree	IP65
Communication with BMS	RS485/CAN
Monitor Module	WiFi/4G
Warranty	5 Years/10 Years The Warranty Period Donende tho Final Tnetallation Sito of Inverter More Info Please Refer to Warranty Policy

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

