

# 6KVA

## Off-grid Low-frequency Solar Inverter

IVBM Series AC-230V

### Features

-  Build-in WiFi for real-time monitoring.
-  Build-in 2 strings of MPPT trackers.
-  Programmable multiple operation modes: on grid, off grid and UPS.
-  Compatible with utility power or generator power.
-  IP65 protection level.
-  LCD touchscreen for easy parameter and working mode settings.
-  Guaranteed safety with multiple protections.
-  Equipped with a power-limiting function to avoid grid overflow.
-  Auto restart while AC is recovering.



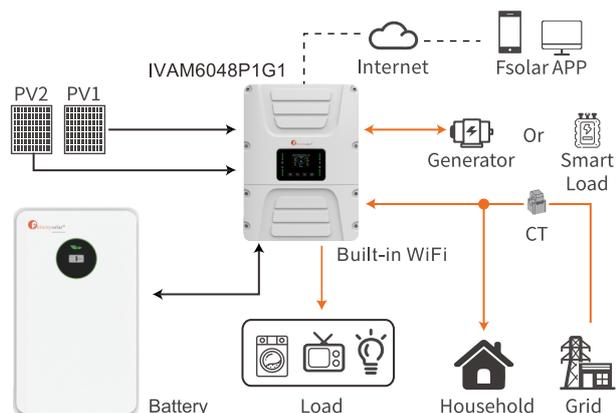
**IVAM6048P1G1**

### System Configuration

■ DC

■ AC

--- Communication



Model	IVAM6048P1G1
<b>Battery Input Data</b>	
Battery Type	Lead-acid or Lithium-ion
Battery Voltage Range(V)	40~60
Max. Charging Current/Max. Discharging Current(A)	135
Charging Strategy for Li-Ion Battery	Self-adaption to BMS
Number of Battery Input	1
<b>PV String Input Data</b>	
Max. PV Access Power(W)	6000W for per PV
Max. PV Input Power(W)	9600
Max. PV Input Voltage(V)	500
Start-up Voltage(V)	120
PV Input Voltage Range(V)	90~500
MPPT Voltage Range(V)	90~425
Full Load MPPT Voltage Range(V)	300~425
Rated PV Input Voltage(V)	370
Max. Operating PV Input Current(A)	20+20
Max. Input Short-Circuit Current(A)	27+27
No. of MPP Trackers/No. of Strings MPP Tracker	2/1+1
<b>AC Output Data</b>	
Rated AC Output Power(VA/W)	6000
Max. AC Output Power(VA/W)	6000
Max. AC Output Current(A)	26.1
Peak Power(W)	2 Times of Rated power, 10s
Rated Output Voltage(V)	230
Output Type	L+N+PE
Rated Output Frequency	50Hz/60Hz
Output Voltage Waveform	Pure Sine Wave
<b>AC Input Data(Grid and Generator)</b>	
Max. Input Power to Battery(W)	6000
Rated Input Voltage(V)	230
Rated Input Frequency	50Hz/60Hz
Grid Input Current(A)	35
Generator Input Current(A)	35
<b>Equipment Protection</b>	
AC Output Overvoltage Protection	Yes
AC Output Short Circuit Protection	Yes
AC Output Overcurrent Protection	Yes
DC Polarity Reverse Connection 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)	Optional
Power Network Monitoring	Yes
Earth Fault Detection	Yes
DC Input Switch	Yes
Overvoltage Load Drop Protection	Yes
Surge Protection Level	TYPE II(DC), TYPE II(AC)
<b>General Data</b>	
Display	LCD+LED
Communication Interface	RS485, CAN
Monitor Mode	WIFI/LAN (Optional)
<b>General Data</b>	
Operating Temperature Range	-40 to +60°C, >45°C Derating
Ingress Protection (IP) Rating	IP65
Over Voltage Category	OVC II(DC), OVC III(AC)
Warranty	5 Years
Type of Cooling	Intelligent Air Cooling
Net Weight	13.5kg
Product Dimension	320x432x183mm
Package Dimension	412x532x270mm
Safety EMC/Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2

\*Disclaimer: This product is currently in pilot production. Final specifications, design, and features may differ from those presented here.

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