

# 8KVA

## Off-grid High-frequency Solar Inverter

IVBM Series **AC-230V**

### Features

-  Built-in Wi-Fi for mobile monitoring (APP is required).
-  Supports up to 6 units in parallel (Battery must be connected).
-  Built-in MPPT solar charge controller with 2 strings of solar input.
-  IP65 protection level.
-  Independent generator port.
-  Independent smart load port with dual outputs; the second output allows a customizable load schedule.
-  Overload/ over temperature/ short circuit protection.
-  Lithium battery activation function.
-  Compatible to mains voltage or generator power.
-  Auto restart while AC is recovering.
-  Inverter running without battery.
-  Configurable parameters setting (input voltage/charging current/charge mode).
-  Cold start function.



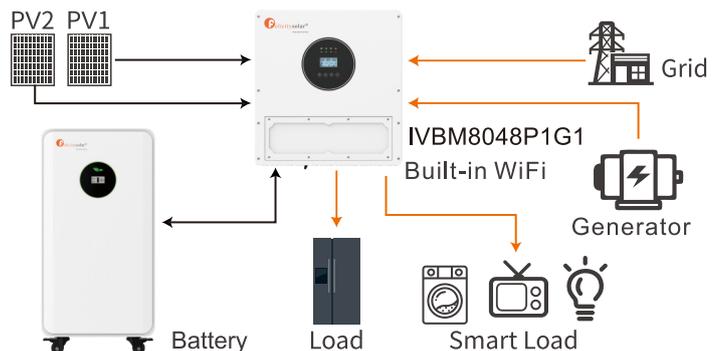
**IVBM8048P1G1**

### System Configuration

■ DC

■ AC

--- Communication



Model	IVBM8048P1G1	IVBM10048P1G1
<b>Line Mode Specifications</b>		
Rated Output Power(VA)	8000VA	10000VA
Rated Output Power(W)	8000W	10000W
Nominal DC Input Voltage	48V	
Input Voltage Waveform	Sinusoidal (Utility or Generator)	
Nominal Input Voltage	230Vac	
Max. AC Input Voltage	280Vac	
Nominal Input Frequency	50Hz / 60Hz (Auto Detection)	
Efficiency(Line Mode)	>95% (Rated R Load, Battery Full Charged)	
Pass Through Without Battery	Yes	
Max. Bypass Overload Current	53A/8000W	65A/10000W
Max. Inverter/Rectifier Current	40A/8000W	46A/10000W
Max. Smart Load Output Current	40A	46A
Max. Input Current of Generator	32A	
<b>Utility Charging Mode Specifications / Generator Charging Mode Specifications</b>		
Input Voltage Range	90~280Vac	
Max. Charge Current	150A	200A
Over Charge Protection	Yes	
<b>Solar Charging &amp; Grid Charging or GEN Charging</b>		
Max.PV Open Circuit Voltage	450V	
PV Voltage Working Range	90V-450V	
Max. Input Power	10,000W(5,000W for Single PV)	11,000W(5,500W for Single PV)
Max. Solar Charging Current	150A	200A
Max. Charging Current (PV+Grid or GEN)	150A	200A
Max. Input Current	20A×2(MAX 40A)	
Min. Startup Voltage	160V	
<b>Inverter Mode Specifications</b>		
Output Voltage Waveform	Pure Sine Wave	
Nominal Output Voltage	230Vac±5%	
Nominal Output Frequency (Hz)	50±0.3Hz/60Hz±0.3Hz (Adjustable)	
Peak Efficiency	94.5%	
Over-Load Protection (SMPS load)	5s@≥150% load; 10s @105%~150% load	
Surge Rating	2* Rated Power for 5s	
Capable of Starting Electric	Yes	
Output Short Circuit Protection	Yes	
<b>General Specifications</b>		
Operating Temperature	0°C~50°C	
Range Storage Temperature	-15°C~60°C	
Net Weight (KG)	24.3KG	
Gross Weight (KG)	28.3KG	
Product Dimension (D*W*H)	525×490×189.2MM	
Package Dimension (D*W*H)	597×572×267MM	

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

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