

10~12kW

Off-grid High-frequency Solar Inverter

IVAM Series **AC-230V**

Features



Remote Monitoring
via Fsolar APP



Max. 12 units
in parallel



Build-in 2 strings of
MPPT trackers



Clear Setup Wizard
for Quick Installation



IP65-rated Protection



Generator / Smart Load /
Grid Compatible



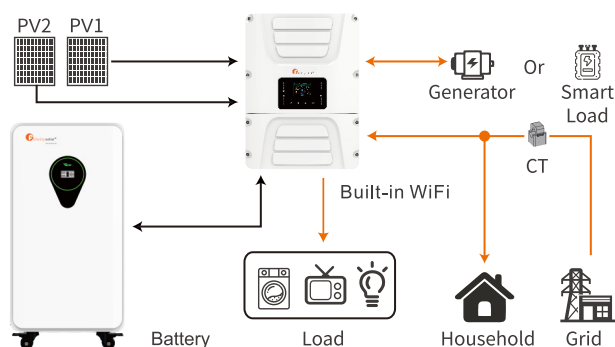
IVAM10048/12048P1G1

System Configuration

■ DC

■ AC

---- Communication



Model	IVAM10048P1G1		IVAM12048P1G1	
Battery Input Data				
Battery Type	Lead-acid or Lithium-ion			
Battery Voltage Range(V)	40~60			
Max. Charging Current/Max. Discharging Current(A)	210		250	
Charging Strategy for Li-Ion Battery	Self-adaption to BMS			
Number of Battery Input	2			
PV String Input Data				
Max. PV Access Power(W)	20000		24000	
Max. PV Input Power(W)	16000		19200	
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)	200~425		200~425	
Rated PV Input Voltage(V)	370		370	
Max. Operating PV Input Current(A)	32+32		32+32	
Max. Input Short-Circuit Current(A)	48+48		48+48	
No. of MPP Trackers/No. of Strings MPP Tracker	2/2+2		2/2+2	
AC Output Data				
Rated AC Output Power(VA/W)	10000		12000	
Max. AC Output Power(VA/W)	10000		12000	
Max. AC Output Current(A)	43.5		52.2	
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			
AC Input Data(Grid and Generator)				
Max. Input Power to Battery(W)	10000		12000	
Rated Input Voltage(V)	230			
Rated Input Frequency	50Hz/60Hz			
Grid Input Current(A)	50		60	
Generator Input Current(A)	50		60	
Equipment Protection				
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)			
General Data				
Display	LCD+LED			
Communication Interface	RS485, CAN			
Monitor Mode	WIFI/LAN (Optional)			
General Data				
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	21.4kg		21.4kg	
Product Dimension	594x385x203mm		594x385x203mm	
Package Dimension	752x507x348mm		752x507x348mm	
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.

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

