

3.5~10KVA

Off-grid Low-frequency Solar Inverter

IVPS Series 110V/220V | 120V/240V

Features

-  Bypass charging function.
-  Selectable charging priority (grid/battery).
-  Wide range of AC input voltage (80-140V / 90-280V).
-  Intelligently adjust the over-discharge voltage based on load power.
-  Configurable overcharge voltage / float voltage / over-discharge voltage .
-  Multiple Protections: over-charge / over-discharge / overload / output short-circuit / over-temp.
-  Upgraded safety protection design with industry-leading transformer over-temperature protection.

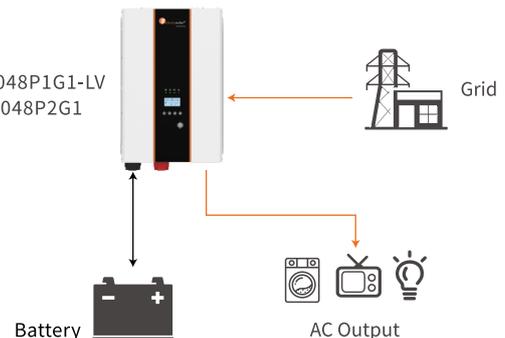


IVPS3524P1G1-LV / 5048P1G1-LV / 7548P2G1 / 10048P2G1

System Configuration

-  DC
-  AC
-  Communication

IVPS3524P1G1-LV / 5048P1G1-LV
IVPS7548P2G1 / 10048P2G1



Model	IVPS3524P1G1-LV	IVPS5048P1G1-LV	IVPS7548P2G1	IVPS10048P2G1
Line Mode Specifications				
Rated Output Power(VA)	3,500VA	5,000VA	7,500VA	10,000VA
Rated Output Power(W)	2,800W	4,000W	6,000W	8,000W
Nominal DC Input Voltage	24V	48V	48V	48V
Input Voltage Waveform	Sinusoidal(Utility or Generator)			
Teriminal Connection	L-N		HOT1-HOT2	
Nominal Input Voltage	110/120Vac		220/240Vac	
Max. AC Input Voltage	140Vrms		280Vrms	
Nominal Input Frequency	50Hz / 60Hz			
Overcurrent Protector (grid)	50A	63A	63A	63A
Utility Charge Mode Specifications				
Input Voltage Range	80~140Vac		90~280Vac	
Nominal Output Voltage	Dependent on Battery Type			
Max. Charge Current	40A	50A	60A	80A
Charge Current Regulation	0-40A	0-50A	0-60A	0-80A
Battery Initial Voltagen	Dependent on Battery Type or Self-defined			
Over Charge Protection	Yes			
Inverter Mode Specifications				
Output Voltage Waveform	Pure Sine Wave			
Nominal Output Voltage	110/120/127Vac±5%(L-N)		220/240Vac±5%(HOT1-HOT2)	
Split-Phase Output Voltage	/		110/120Vac±5%(HOT1-N OR HOT2-N)	
Nominal Output Frequency(Hz)	50±0.3Hz/60Hz±0.3Hz(Adjustable)			
Output Voltage Regulation	±5%rms			
Peak Efficiency	90%			
Over-Load Protection (SMPS load)	5s @ ≥150% Load; 10s @ 105%-150% Load			
Surge rating	2 Times Rated Overload Power 5S			
Capable of Starting Electric	Yes			
Output Short Circuit Protection	Yes			
General Specifications				
Operating Temperature	0°C~40°C			
Range Storage Temperature	-15°C~60°C			
Net Weight(KG)	27.7KG	31.35KG	34.7KG	55.4KG
Gross Weight(KG)	30.8KG	35.05KG	38.2KG	67.7KG
Product Dimension(MM)	440x391x195mm	494*420*195MM	494*420*195MM	584*420*195MM
Package Dimension(MM)	552x508x290mm	607*540*290MM	607*540*290MM	670*470*355MM

*Warranty subject to Felicitysolar 's terms and conditions.

