

10KVA

Off-grid Low-frequency Solar Inverter

AC-220V

Features

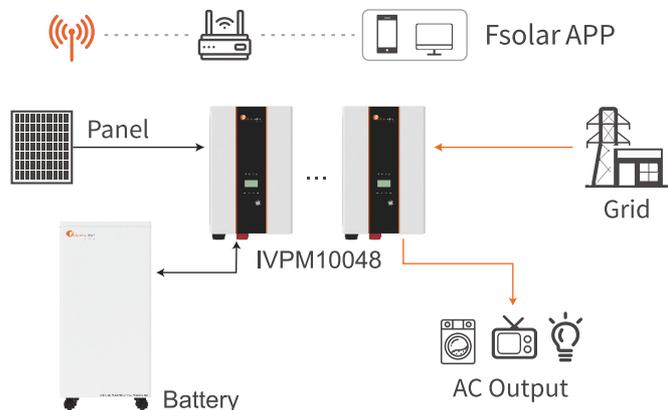
-  Adjustable and higher charging current.
-  90-280VAC Wide input voltage.
-  Seamless bypass charging and AC charging when powered off.
-  Selectable charging priority (grid/battery).
-  Communicate with Felicitysolar MPPT charge controller.
-  Intelligent protection, higher class of security.
-  Supports up to 6 units in parallel for 10KVA
(Battery must be connected).



IVPM10048

System Configuration

-  DC
-  AC
-  Communication



Model	IVPM5048	IVPM7548	IVPM10048
Line Mode Specifications			
Rated Output Power(VA)	5000VA	7500VA	10000VA
Rated Output Power(W)	4000W	6000W	8000W
Nominal DC Input Voltage	48V		
Nominal Input Voltage	220Vac		
Max. AC Input Voltage	280Vrms		
Nominal Input Frequency	50Hz / 60Hz		
Efficiency(Line Mode)	≥95% (Rated R Load, Battery Full Charged)		
Pass Through Without Battery	No		
Max. Bypass Overload Current	AC 63A		
Utility Charge Mode Specifications			
Nominal Input Voltage	220Vac		
Input Voltage Range	90~280Vac		
Nominal Output Voltage	Dependent on Battery Type		
Max. Charge Current	50A	60A	80A
Charge Current Regulation	0A-50A	0A-60A	0A-80A
Battery Initial Voltage	Circuit Breaker		
Charger Short Circuit	AC 63A		
Breaker Size	Dependent on Battery Type or Self-defined		
Over Charge Protection	Yes		
Solar Charging & Utility Charging(MPPT built-in controller is optional)			
Max. PV Open Circuit Voltage	170Vdc	170Vdc	170Vdc
PV Voltage Working Range	65~145Vdc	65~145Vdc	65~145Vdc
Max. Input Power	6600W	6600W	6600W
Max. Solar Charging Current	120A	120A	120A
Max. Charging current(Utility + Solar)	170A	180A	200A
Inverter Mode Specifications			
Output Voltage Waveform	Pure Sine Wave		
Nominal Output Voltage	220Vac±5%		
Nominal Output Frequency(Hz)	50±0.3Hz/60Hz±0.3Hz(Adjustable)		
Output Voltage Regulation	±5%rms		
General Specifications			
Operating Temperature	0°C~40°C		
Range Storage Temperature	-15°C~60°C		
Package Dimension(MM)	607*540*290MM		670*470*355MM

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

