

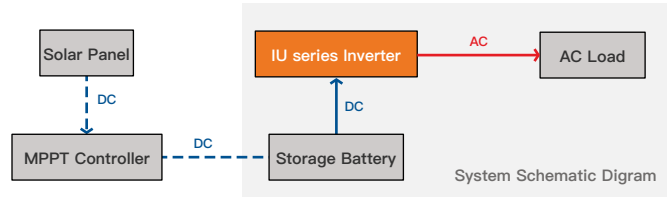
IU series

High-Frequency Pure Sine Wave Inverter



IU12-2kW

IU24-3kW



Stable

- Advanced SPWM modulation technology with pure sine wave output and high power quality.
- High power density and long life devices are selected to support long term operation at full power.

Efficiency

- High conversion efficiency, low losses and low harmonic distortion rate.
- Multiple operating modes for maximum power savings.

Intelligent

- Bluetooth as standard, supports mobile phone app to view device operating parameters.
- Multiple expansion interfaces to meet the diverse needs of users.

Safety

- With battery over-voltage and over-discharge protection, output overload and short-circuit protection and over-temperature protection.
- (there is no reverse connection protection, please do not reverse the connection)

INVERTER

ITEM	IU12-2kW	IU24-3kW
Rated Battery Voltage	12Vdc	24Vdc
Battery Voltage Range	10.8~16Vdc	21.6~32Vdc
Rated Output Power	2,000W	3,000W
Peak Power	4,000W	6,000W
Rated Output Voltage	110/120Vac	
Output Frequency	50/60Hz	
Output Waveform	Pure Sine Wave	
THD	THD<4% (Resistive Load)	
Power Factor	0.2-1 (Load Power≤Continuous Output Power)	
Rated Output Efficiency	>89%	>90%
Max. Output Efficiency	>92%(30% Load)	>93.5%(30% Load)
Standby Current (OFF mode)	<0.2A	<0.12A
0 Load Current (ON mode)	<1.0A	<0.95A

GENERAL

Item	IU12-2kW	IU24-3kW
Dimensions	406*300*115mm (1.33*0.98*0.37ft)	
Weight	5.3kg (11.68lb)	
Noise	<60dB	
Cooling Method	Neutral Cooling+ Intelligent Fan	
IP Grade	IP20	
Ambient Temperature	-20°C~60°C (-4°F~140°F)	
Certificates	CE、ROHS、IEC62109-1/2、EN61000-6-2/4	

Port

No.	Type
1	Battery Positive +
2	Battery Negative -
3	Output Overload Protector
4	AC Output Port 1 (wiring terminal)
5	AC Output Port 2 (US socket)
6	RS485 port, CAN port (optional)
7	USB charging port*2 5V/2A
8	ON/OFF/ECO mode switch
9	TTL Port
10	Operating Indicator
11	False Indicator
12	Remote ON/OFF switch port

*Please read manual for full information

