Su-mak SOLAR

Passion PRO+ MORE ENERGY

PURE SINE WAVE HYBRID INVERTER

MS-2500W-24V-N



Output Multiple Priority

Inverter Wake-up Function

MPPT

PV 30-500Vdc

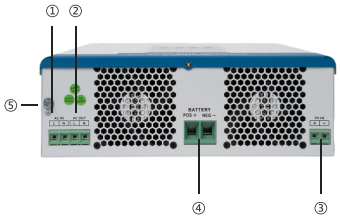
Anti-shock design terminal

High Efficiency

Pure sine wave

Product Features

- Battery Wake-up Function
- Pure Sine Wave
- PV Input 500Vdc Max
- Built-in MPPT 60A-100A
- Detachable dust cover for harsh environment
- Wifi remote monitoring optional
- Support multiple output priority: UTL,SOL,SBU,SUB
- EQ function to optimize battery performance and extend lifecycle



1. AC input
2. AC output
3. PV input
4. Battery input
5. Grounding

TECHNICAL SPECIFICATIONS

MODEL: **SM-2500W-24V-N**

2. INVERTER MODE (DC INPUT & AC OUTPUT)	
DC Input Voltage & Current	**24VDC, 115A**
AC Output Voltage & Current	230VAC, 50/60Hz, 10.9A, 1Φ
Surge Power Capacity	5000VA
AC Voltage Regulation (Battery Mode)	230VAC ±5%
Peak Efficiency	93%
Transfer Time	10ms (Personal Computers), 20ms (Home Appliances)

3. AC CHARGER MODE	
AC Input Voltage & Current	230VAC, 50/60Hz, 20A, 1Φ
Nominal DC Output Voltage	27VDC
Max. AC Charge Current	**60A (Default 30A)**
Max. Charge Current (PV + AC)	**100A**
AC Output Pass-Through	230VAC, 50/60Hz, 10.9A, 1Φ

4. SOLAR CHARGER MODE (MPPT)	
Max. PV Array Power	**3000W**
Min. Solar Voltage	30VDC
Max. Solar Voltage (VOC)	500VDC
Max. Solar Input Current	**15A**
Max. MPPT Charge Current	100A
Compatible Battery Types	Lithium / Lead-acid (24VDC)

1. GENERAL SPECIFICATIONS	
Model Name	**SM-2500W-24V-N**
Rated Power Output	**2500VA / 2500W**
Operating Temperature Range	-10°C to 55°C
Color	Blue And White
Ingress Protection	IP21 (Indoor use)
Carton Size (D × W × H)	402 × 368 × 174 mm
Net Weight (N.W)	**4.50 Kg**
Gross Weight (G.W)	5.25 Kg