＊此页非印刷＊

打印要求：

成型尺寸	148x210mm
材质	100 克双胶纸
工艺	黑白印刷
成型方式	正反印刷对折

＊此页非印刷＊

MPPT Solar Inverter

PV9000-24 S5.0

Datasheet

1.Information

This datasheet is valid for the following machine:

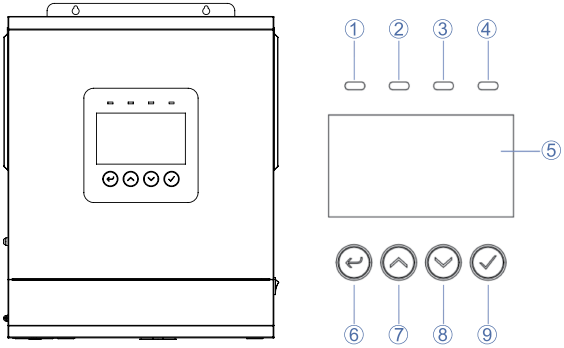
- 5000W inverter

2.Introduction

2.1 Features

- Rated power 5kW/5kVA, power factor 1
- MPPT range 60V~450V, 500Voc
- High frequency with small size and light weight
- Pure sine wave AC output
- Solar and grid power loads at the same time
- CAN/RS485 for BMS communication
- Ability to work without battery
- WIFI remote monitoring (optional)
- Dual AC output (optional)
- Feed-in to grid

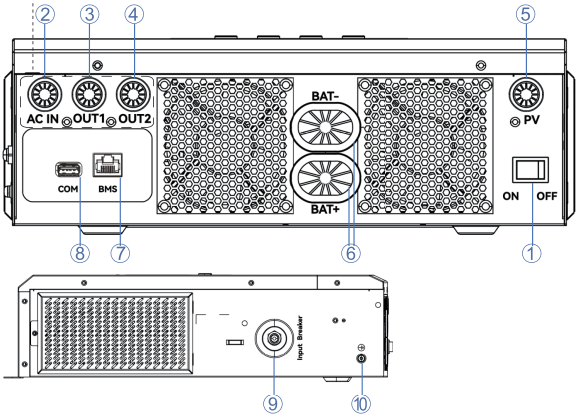
2.2 Product Overview



① AC Indicator
② Invert Indicator
③ Charging Indicator
④ Fault Indicator
⑤ LCD Display
⑥ ESC Button
⑦ Up Button
⑧ Down Button
⑨ Enter Button



Some model only have 1 AC output.



① Power On/Off Switch
② AC Input
③ AC Output 1
④ AC Output 2
⑤ PV Input
⑥ Battery Input
⑦ BMS Port
⑧ COM Port
⑨ AC Input Breaker
⑩ PE

3. Packing List

No.	Item	Quantity	Description	Remarks
1	Inverter	1		
2	Datasheet	1	English	
3	User manual	1	English	
4	Tubular terminal	10	E6010	For AC input, AC output, PV input.
5	OT terminal	1		For PE

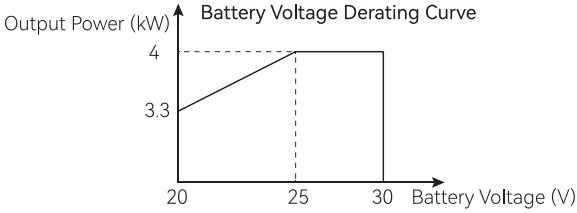
4.Specifications

AC Input	
Rated Input Voltage (VAC)	208/220/230/240; L+N+PE
Voltage Range (VAC)	90~280 (APP/GEN mode); 170~264 (UPS mode)
Frequency (Hz)	50/60 (Auto Adaptive)
AC Output	
Rated Capacity (kVA/kW)	5 (Output Power rating will be reduced to 90%, when setting the Output Voltage to 208V)
Surge Power (kVA)	10
Voltage (VAC)	208/220/230/240
Power Factor (PF)	1
Frequency (Hz)	50/60±0.1%
Switch Time (ms)	10 (APP/UPS mode) / 20 (GEN mode)
WaveForm	Pure SineWave
Overload Capacity (Battery Mode)	1min@102%~120% load, 10s@ 120%~200% load
Max. Efficiency (Battery Mode)	93.5%@24V
Charger(PV/AC)	
Solar Charger Type	MPPT
Max PV Input Current (A)/ Power (W)	27/9000
MPPT Range@Operating Voltage (VDC)	60-450
PV Start-up Voltage (VDC)	80
Max PV Open Circuit Voltage (VDC)	500
Max PV Charge Current (A)	160
Max AC Charge Current (A)	160
Max. Charge Current (PV+AC) (A)	160
Battery	
Normal Voltage (VDC)	24
Battery Type	Lithium/Lead-acid
General Data	
HMI	LCD
Interface	RS485/CAN/RS232
Monitoring	WiFi(Optional)

General Data	
Ingress Protection	IP21
Operating Temperature (℃)	-10~60
Relative Humidity	5%~95% (Non-condensing)
Storage Temperature (℃)	-15~60
Max. Operating Altitude (m)	4000 (Derating above 2000)

Maximum Load Capacity

Only Battery	4000W@25V
PV+Battery	5000W
Bypass current	40A@25℃



5. Notes about Installation

1. The L and N cable of the AC Input port must not be reverse-connected. The tool used to distinguish between L and N cable is voltage tester (test pen) or multimeter.

Notes: Updates to the content and version of this datasheet will not be notified separately.