

EPO48V6000

On/Off Grid Solar Inverter
6KW



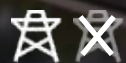
MPPT

Pure sine wave MPPT solar inverter
BUILT-IN 80/100A MPPT solar charger



Battery

Battery equalization function extend lifecycle
Reserved com port (RS-485,CAN) for BMS



On-Grid

AG EPO series is suitable for On-grid applications.



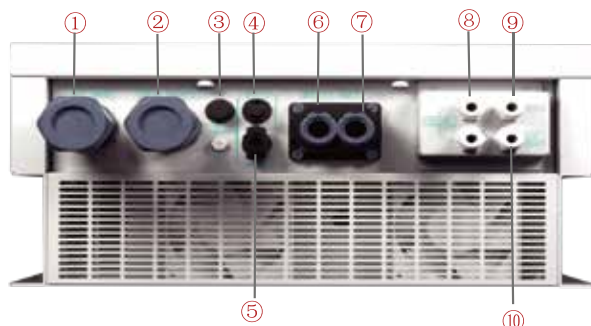
Easy access

High PV input voltage range With Touch Buttons



Features

1. Sectional charging and discharging function available, able to enable and disable AC charging function based on the charging section time be set, switch power supply mode between inverter and AC bypass based on the discharge section time be set
2. With Self-Setting mode of charging and discharging function
3. Parallel operation up to 6 units
4. Inverter running without battery connecting
5. Built-in 100A MPPT solar charger
6. High PV input voltage range 120-500Vdc
7. PV Grid-connected power generation mode can be set
8. Support lead-acid battery and lithium battery access.
9. Complete short circuit protection, over-voltage and under-voltage protection, overload protection and back-feed protection available.
10. Battery equalization function to optimize battery performance and extend lifecycle
11. Protection grade IP65



- ① AC GRID
- ② EPS OUTPUT
- ③ INPUT BREAKER
- ④ PV+
- ⑤ PV-
- ⑥ BAT+
- ⑦ BAT-
- ⑧ PARALLEL CONNECTON
- ⑨ RS232
- ⑩ COM RS485

Model	EPO48V6000
Rated Power	6000VA/6000W
INPUT	
Voltage	230V AC
Selectable Voltage Range	170-280V AC(For Personal Computers);90-280V AC(ForHome Appliances)
Frequency Range	50Hz/60Hz(Auto Sensing)
OUTPUT	
AC Voltage Regulation	230V AC±5%
Surge Power	11KVA
Efficiency(Peak)	UP to 93.5%
Transfer Time	10ms(For Personal Computers);20ms(For Home Appliances)
Waveform	Pure Sine Wave
BATTERY	
Battery Voltage	48V DC
Floating Charge Voltage	54V DC
Overcharge Protection	63V DC
SOLAR CHARGER & AC CHARGER	
Max.PV Array Power	6000W
Max.PV Array Open Circuit Voltage	500V DC
MPPT Range & Operating Voltage	120~450V DC
Max. Solar Charge Current	100A
Max. AC Charge Current	60A
PHYSICAL	
Package size,D*W*H(mm)	110*302*490
Net Weight(kgs)	26.5
Communication Interface	RS232/RS485/Dry contact
ENVIRONMENT	
Humidity	5%to95%Relative Humidity(Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C

Note:Product specifications are subject to change without further notice