

OFF GRID Single Phase
5KW /15/30/45KWH



ALL IN ONE INVERTER WITH BATTERY



 **DESIGN**

- + High precision MPPT controller. MPPT efficiency 99.9%.
- + Configurable the grid and PV prioritize.
- + The PV can be combined with the grid / battery to power the load if the PV power is insufficient.
- + 0~+50°C widely temperature range.
- + Stacked structure, easily installation.
- + Maintenance free.
- + Remote monitoring system WIFI/ GPRS is optional.

 **SAFETY**

- + Long life type prismatic LiFePO4 cells, suitable for energy storage application.
- + Low voltage battery , safety for application.
- + Cell certification: UN38.3, ROHS, IEC62619, UL1973 and UL9540A
- + Battery certification: UN38.3, MSDS
- + Parallel battery module for more energy.
- + Cycle life >6000 cycles.
- + Independent protection for charge and discharge.
- + SOC, SOH display and PC software for detailed operation.
- + OVP, LVP, OCP, OTP, LTP protection.

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SPECIFICATION
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5KW/15KWH	
SOLAR INPUT DATA	
Max PV Input Power	5500Wp
Max. PV Open-circuit Voltage	500Vdc
MPPT Range	120~450Vdc
Number of MPP Trackers	1
Max PV Input Current	22A
Max. PV Charge Current	100A
AC INPUT DATA	
AC Input voltage	90-280VAC±3V(Normal Mode) 185-264VAC±3V (UPS Mode)
AC Frequency	50/60Hz (Adaptive)
Charge Current	60A
AC OUTPUT DATA / INVERTER DATA	
Rated Power	5 KVA / 5KW
AC Voltage	208/220/230/240VAC±5%
AC Frequency	50/60Hz
Surge Power	11KVA
Wave form	Pure shine wave
Max. Efficiency	93%
Transfer time	10ms Typical, 20ms Max
BATTERY DATA	
Battery Type	LiFePO4
Rated Voltage/ Capacity	51.2Vdc / 280Ah
Max. Current	100A
Battery Energy	15KWH * 1 (Max support parallel 3pcs)
PHYSICAL DATA	
Dimension [W*D*H]	Inverter: 600*450*160mm Battery Module: 600*450*410mm Base: 600*450*150mm
Weight	Inverter: 20Kg Battery module: 125Kg Base: 15.8Kg
Operating Temperature Range	0~50 °C
Storage Temperature Range	-15 ~ +60°C
Altitude	< 2000m
Humidity	0~95% (Non-condensing)
IP Class	IP21
Display	LCD, APP

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