

# SINGLE PHASE ON/OFF-GRID SOLAR INVERTER

单相并、离网逆变器

INV 6500-48



BMS

Support Lithium/Lead-acid Battery  
支持锂电或铅酸电池



9 Inverters in Parallel  
最多9台并机



MAX.PV 9KW  
最大光伏功率9KW



Built-in 120A Solar Charger  
光伏充电120A



Feed-in to Grid  
支持并网



Workable with Generator  
支持发电机



Wide MPPT Range 120-520V  
光伏工作电压范围120-520V

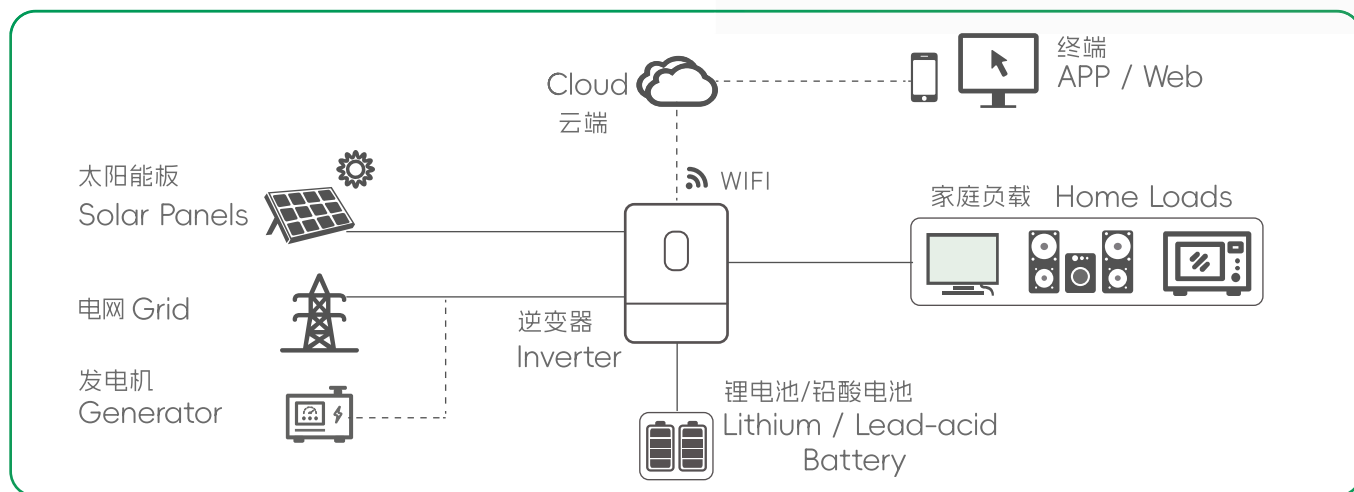


WiFi Monitoring  
支持wifi监控



Lithium Battery Activation  
支持锂电池激活

## 系统图 System Diagram



# 规格参数Specifications Parameter

| 型号Model                                         | INV 6500-48                                                                |
|-------------------------------------------------|----------------------------------------------------------------------------|
| 交流输入 AC Input                                   |                                                                            |
| 额定输入电压 Rated Input Voltage (VAC)                | 208 / 220 / 230 / 240; L + N + PE                                          |
| 电压范围 Voltage Range (VAC)                        | 90~280±3 (normal mode); 170~280±3 (UPS mode)                               |
| 频率 Frequency (Hz)                               | 50 / 60 (Auto Adaptive)                                                    |
| 交流输出 AC Output                                  |                                                                            |
| 额定功率 Rated Capacity (kW)                        | 6.5                                                                        |
| 峰值功率 Surge Power (kVA)                          | 12                                                                         |
| 电压 Voltage (VAC)                                | 208 / 220 / 230 / 240                                                      |
| 功率因数 Power Factor (PF)                          | 1                                                                          |
| 频率 Frequency                                    | 50/60Hz±0.1 %                                                              |
| 切换时间 Switch Time (ms)                           | 10 (normal mode) / 10 (UPS mode)                                           |
| 正弦波 Wave Form                                   | Pure Sine Wave                                                             |
| 过载容量 (电池模式)<br>Overload Capacity (Battery Mode) | 10min@102%~120%Load, 1min@120%~150%Load<br>10S@150%~200%Load, 5s@>200%Load |
| 最大效率 Max. Efficiency (Battery Mode)             | 93%@48VDC                                                                  |
| 并机数量 Parallel Quantity                          | 9                                                                          |
| 充电 Charger (PV / AC)                            |                                                                            |
| 太阳能充电类型 Solar Charger Type                      | MPPT                                                                       |
| 光伏输入 Max PV input current / power               | 19A+19A/9000W                                                              |
| 电压范围 Operating Voltage Range (VDC)              | 80-520                                                                     |
| 开路电压Max PV Open Circuit Voltage (VDC)           | 500                                                                        |
| 光伏充电电流Max PV Charge Current (A)                 | 120                                                                        |
| 市电充电电流Max AC Charge Current (A)                 | 120                                                                        |
| 最大充电电流Max. Charge Current (PV+AC) (A)           | 120                                                                        |
| 电池 Battery                                      |                                                                            |
| 标称电压 Normal Voltage (VDC)                       | 48                                                                         |
| 浮充电压 Floating Charge Voltage (VDC)              | 56                                                                         |
| 过充保护电压 Overcharge Protection (VDC)              | 60                                                                         |
| 电池类型 Battery Type                               | Lithium and Lead-acid                                                      |
| 界面 Interface                                    |                                                                            |
| 显示 reveal                                       | LCD                                                                        |
| 通讯 communication                                | RS485 / USB / Dry Contact / CT / Meter /                                   |
| 监控 Monitoring                                   | WiFi (Optional)                                                            |
| 一般信息 General Data                               |                                                                            |
| 防护等级 Ingress Protection                         | IP21                                                                       |
| 工作温度 Operating Temperature                      | -10 °C ~ 50 °C                                                             |
| 相对湿度 Relative Humidity                          | 5% ~ 95% (Non-condensing)                                                  |
| 存储温度 Storage Temperature                        | -15 °C ~ 60 °C                                                             |
| 净重/毛重 (NW/GW)Kg                                 | 8.5/9.5                                                                    |
| 产品尺寸 Products Size(W*H*D)mm                     | 392.5x325x130mm                                                            |
| 包装尺寸 Package Size(W*H*D)mm                      | 472.5X405X210mm                                                            |
| 最大工作海拔 Max. Operating Altitude                  | 4000m(Derating above 1000m)                                                |