

# SINGLE PHASE ON/OFF-GRID SOLAR INVERTER

单相并、离网逆变器

INV 6500-48



LCD LCD Display  
液晶显示

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

Support solar charging  
支持光伏充电

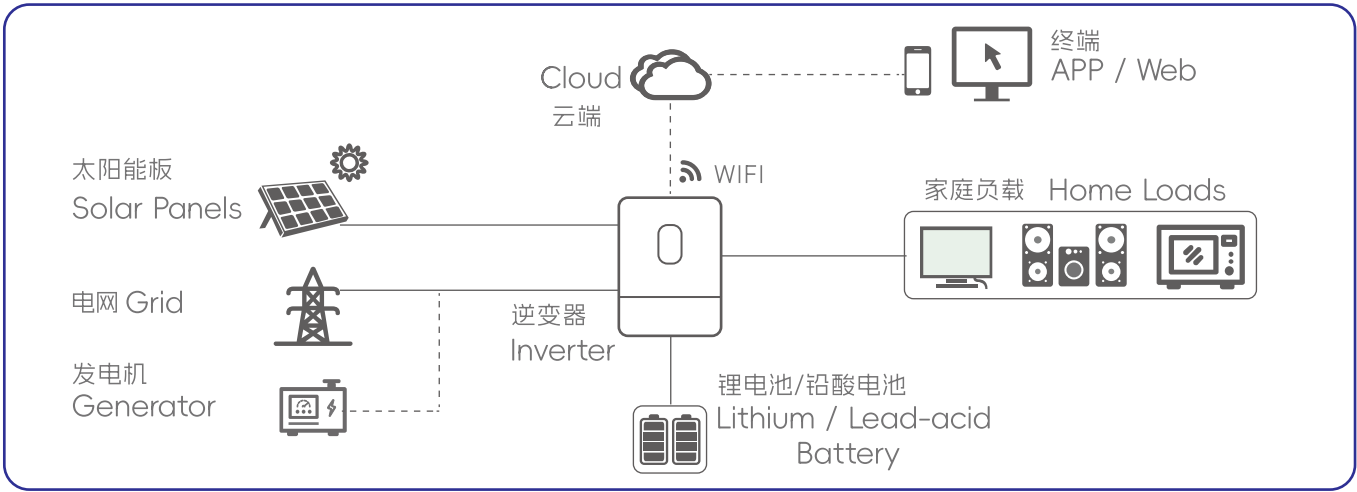
Workable with Generator  
支持发电机

9 Inverters in Parallel  
最多9台并机

WiFi 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                                 |                                                                            |
| 输出功率（光伏模式） Output power (PV mode) (kW)         | 6.5                                                                        |
| 输出功率（电池模式） Output power (battery mode) (kW)    | 6.5                                                                        |
| 旁路最大输出电流                                       | 40                                                                         |
| 输出电压 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              | 27A/9000W                                                                  |
| 电压范围 Operating Voltage Range (VDC)             | 80 ~ 450                                                                   |
| 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)             | 58.4                                                                       |
| 电池类型 Battery Type                              | Lithium and Lead-acid                                                      |
| 界面 Interface                                   |                                                                            |
| 显示 reveal                                      | LCD                                                                        |
| 通讯 communication                               | RS485 / CAN / USB                                                          |
| 监控 Monitoring                                  | WiFi (Optional)                                                            |
| 一般信息 General Data                              |                                                                            |
| 防护等级 Ingress Protection                        | IP20                                                                       |
| 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                                                             |
| 产品尺寸 Products Size(W*H*D)mm                    | 410x331x135mm                                                              |
| 包装尺寸 Package Size(W*H*D)mm                     | 472X405X210mm                                                              |
| 最大工作海拔 Max. Operating Altitude                 | 4000m(Derating above 1000m)                                                |