

光伏逆变器 (绿色/蓝色/白色)  
Photovoltaic Solar Inverter (green /blue/white)



功能FUNCTIONS

- 离网逆控一体机，支持市电和光伏太阳能两路输入
- DPS数字控制技术，双变换在线设计，
- 采用输入PFC技术，输入功率达0.99，高效逆变拓扑，输出效率更高。
- 电池均衡功能优化电池性能，储能效率更高
- 市电/光伏/电池/多方式最优输出
- 支持电池冷启动
- 内置防尘网套件，适用于恶劣环境
- 支持WIF通讯（选配）
- Off-grid inverter, supports utility and photovoltaic solar inputs
- DPS digital control technology, double conversion on-line design
- Adopt input PFC technology, input power up to 0.99
- Battery equalization function optimizes battery performance
- Utility/photovoltaic/battery/multi-mode optimal output
- Supports battery cold start
- Built-in dust kit, suitable for harsh environments
- Supports WIF communication (optional)

| Model                                           | SP-PU-3.5K                                                                                       | SP-PU-5.5K    |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------|
| 额定功率 Rated power                                | 3500VA                                                                                           | 5500VA        |
| 交流输入 AC input                                   |                                                                                                  |               |
| 电压Voltage                                       | 230Vac                                                                                           | 230Vac        |
| 电压范围 Voltage range                              | 170-280Vac(适用于个人计算机), 90-280Vac(适用于家用电器)<br>170-280Vac(for PC) , 90-280Vac( for home appliances) |               |
| 频率 Frequency                                    | 50/60HZ                                                                                          | 50/60HZ       |
| PV输入 PV input                                   |                                                                                                  |               |
| 最大光伏阵列功率<br>Max PV array power                  | 5000W                                                                                            | 5500W         |
| 最大光伏阵列开路电压<br>Max PV array open-circuit voltage | 500Vdc                                                                                           | 500Vdc        |
| MPPT范围@工作电压<br>MPPT range @ working voltage     | 120Vdc-450Vdc                                                                                    | 120Vdc-450Vdc |
| 额定电压 Rated voltage                              | 240V                                                                                             | 240V          |
| MPPT quantity 数量                                | 1                                                                                                | 1             |
| 输出参数 Output parameters                          |                                                                                                  |               |
| PV/电池模式 PV/battery mode                         |                                                                                                  |               |
| 电压 Voltage                                      | 230V±5%                                                                                          | 230V±5%       |
| 频率 Frequency                                    | 50/60Hz                                                                                          | 50/60Hz       |
| 效率 Efficiency                                   | 93%                                                                                              | 93.1%         |
| 最大输出功率 Max output power                         | 3500W                                                                                            | 5500W         |
| 转换时间 Conversion time                            | 10ms(典型UPS), 20ms(家用电器)<br>10ms(Typical UPS), 20ms(Home appliances)                              |               |
| 谐波 Harmonic                                     | 3%                                                                                               | 3%            |
| 过载能力 Overload capacity                          | 5s@≥150%load;10s@110%-150%load                                                                   |               |
| 市电模式 Municipal power mode                       |                                                                                                  |               |
| 电压 Voltage                                      | 230Vac±5%                                                                                        | 230Vac±5%     |
| 频率 Frequency                                    | 50Hz                                                                                             | 50Hz          |
| 效率 Efficiency                                   | 95%                                                                                              | 95%           |
| 电池 Battery                                      |                                                                                                  |               |
| 电池电压 Battery voltage                            | 24V                                                                                              | 48V           |
| 充电方式 Charging method                            | 三段式充电 Three stage charging                                                                       |               |
| 最大充电电流(MPPT)<br>Max charging current (MPPT)     | 80A                                                                                              | 80A           |
| 最大充电电流（交流）<br>Maximum charging current (AC)     | 80A                                                                                              | 80A           |
| 最大充电电流 Max charging current                     | 100A                                                                                             | 100A          |
| 冷启动电压 Cold start voltage                        | 23V                                                                                              | 46V           |
| 电池类型 Battery type                               | 铅酸，AGM，锂电 Lead acid, AGM, lithium battery                                                        |               |
| 保护功能 Protection function                        | 输出短路 过载 过温保护等功能<br>Short circuit, overload, over temperature protection and other functions      |               |
| 通信连接埠 Communication port                        | RSS-232,USB                                                                                      | RSS-232,USB   |
| 工作温度 Operation temperature                      | -10℃-50℃                                                                                         | -10℃-50℃      |
| 物理 Physics                                      |                                                                                                  |               |
| 尺寸 Dimensions (D/W/H)                           | 100x300x400mm                                                                                    | 100x300x400mm |
| 净重Net weight                                    | 9.5kg                                                                                            | 9.7kg         |