

# IP21混合逆变器系列

IP21 Hybrid Inverter Series



## SU-N5K-24

5kW/24V IP21 Hybrid inverter 混合逆变器



IP21 protection  
IP21 防护等级



Hybrid on/off-grid modes  
并网/离网双模式



<10 ms UPS transfer  
<10ms UPS切换



Comprehensive protections  
内置全面保护功能



Smart App management  
App 智能管理



Pure sine wave output  
纯正弦波输出

# 规格参数Specifications

|                                                   |                                              |
|---------------------------------------------------|----------------------------------------------|
| 型号Model                                           | SU-N5K-24                                    |
| 市电输入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)                          | 5                                            |
| 浪涌功率 Surge Power (kVA)                            | 10                                           |
| 输出电压 Voltage (VAC)                                | 208 / 220 / 230 / 240                        |
| 功率因数 Power Factor (PF)                            | 1                                            |
| 输出频率 Frequency                                    | 50/60Hz±0.1%                                 |
| 切换时间 Switch Time (ms)                             | 10 (APP/UPS mode) / 20 (GEN mode)            |
| 波形 Wave Form                                      | Pure Sine Wave                               |
| 过载保护 Overload Capacity (Battery Mode)             | 1min@102%-120%load, 10s>120% load            |
| 最大效率（电池模式） Max. Efficiency (Battery Mode)         | 93.5%@24VDC                                  |
| 并联数量 Parallel Quantity                            | NA                                           |
| 充电Charger (PV / AC)                               |                                              |
| 太阳能充电器类型Solar Charger Type                        | MPPT                                         |
| 最大光伏输入电流 / 输入功率Max PV input Current / Input Power | 27A / 9000W                                  |
| 最大功率点跟踪工作电压范围 MPPT Range@Operating Voltage (VDC)  | 60~450                                       |
| 最大光伏开路电压Max PV Open Circuit Voltage (VDC)         | 500                                          |
| 最大光伏充电电流Max PV Charge Current (A)                 | 160                                          |
| 最大交流充电电流Max AC Charge Current (A)                 | 160                                          |
| 最大总充电电流Max. Charge Current (PV + AC) (A)          | 160                                          |
| 电池Battery                                         |                                              |
| 额定电压Rated Voltage (VDC)                           | 24                                           |
| 浮充电压Floating Charge Voltage (VDC)                 | 27                                           |
| 过充保护电压Overcharge Protection (VDC)                 | 30.5                                         |
| 电池类型Battery Type                                  | Lithium and Lead-acid                        |
| 界面Interface                                       |                                              |
| HMI                                               | LCD                                          |
| 人机界面Interface                                     | RS232 / RS485 / CAN                          |
| 接口Monitoring                                      | WiFi (built-in)                              |
| 通用数据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                                |
| 最大工作海拔 Max. Operating Altitude                    | 4000m (Derating above 1000m)                 |
| 产品尺寸 Product Dimensions (mm)                      | 410mm*336mm*110mm                            |
| 包装尺寸 Packaging Dimensions (mm)                    | 480mm*380mm*170mm                            |
| 净重 Net Weight (kg)                                | 7.7 kg                                       |
| 毛重 Gross Weight (kg)                              | 8.4 kg                                       |