

IP21混合逆变器系列

IP21 Hybrid Inverter Series



SU-N6K-48

6kW/48V 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-N6K-48
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)	6
浪涌功率 Surge Power (kVA)	12
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)	Previous continuous load < 2.5kW:15min@102%~108% load; 1min@108%~120% load; 10s@ > 120% load Or 1min@102%~120% load; 10s@ > 120% load
最大效率（电池模式） Max. Efficiency (Battery Mode)	94%@48VDC
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)	120
最大交流充电电流Max AC Charge Current (A)	120
最大总充电电流Max. Charge Current (PV + AC) (A)	120
电池Battery	
额定电压Rated Voltage (VDC)	48
浮充电压Floating Charge Voltage (VDC)	54
过充保护电压Overcharge Protection (VDC)	61
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