

SHW48500 series
Solar Power System for Telecom Station

SHW48500系列通信基站太阳能发电系统
50-1000A



Flexible configurraon 灵活配置

Modular design, flexible configuraron, easy expansionMonitoring network flexibility, providing RS232 interface, and trunk connectons

Intelligent collaboraton 智能协作

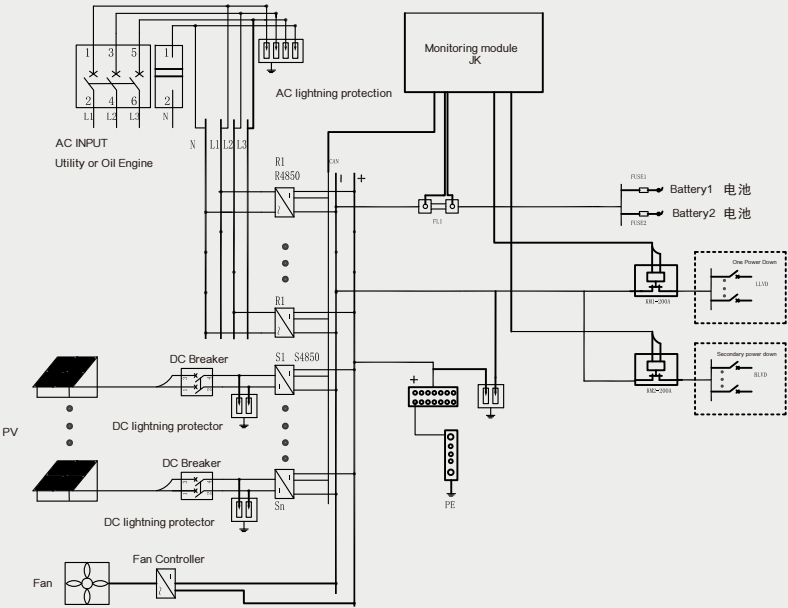
Detect machine operaton parameters and control parameters
Adjust batery undervoltage, ,overload, overcharge

Efficient and stable 高效稳定

DC/DC Conversion, MPPT, Batery Constant Current, Equal Charge, Temperature Compensaton Funccoon

Product application diagram

线路图



SHW48500

YIFA伊发

Technical Specifcicaaon 产品系列	SHW48100	SHW48200	SHW48300	SHW48400	SHW48500
Capacity 容量	100A	200A	300A	400A	500A
AC INPUT 交流输入					
Input System 输入系统	Three-phase, five-wire system/compaable single-phase 三相五线制/兼容单相				
Rated input voltage 额定输入电压	Line voltage 380Vac/single phase 220Vac 线路电压380Vac/单相Vac				
Input Voltage Range 输入电压范围	85Vac ~ 290Vac				
Input AC Voltage Frequency 输入交流电压频率	45Hz~65Hz				
Maximum input current 最大输入电流	≤55A (Single-phase)				
Power factor 功率因数	≥0.99				
SOLAR ENERGY INPUT 太阳能输入					
Rated input voltage 额定输入电压	68Vac				
Input Voltage Range 输入电压范围	60Vdc~150Vdc				
Maximum input current 最大输入电流	≤62A (One way)				
DC OUTPUT 直流输出					
Output DC Voltage Range 输出直流电压范围	42Vdc~58Vdc				
Output DC Voltage 输出直流电压	54.0V				
Output DC Current 输出直流电流	0~50A (Single module) 0~50A (单个模块)				
Conversion efficiency 转换效率	More than or equal to 95% in only power mode; 96% in only PV mode 在纯功率模式下大于或等于95%，纯光模式下96%				
COMMUNICATION MANAGEMENT 通信管理					
R S232 Interface/RS485 Interface RS232接口/RS485接口	Configurable wireless monitoring module (for remote monitoring) 可配置无线监控模块（用于远程监控）				
LOAD MANAGEMENT 负载管理					
Disconnect at a tme 一次断开连接	46.6V (40V-50V Setable)				
Second Disconnect 二次断开连接	45.6V (40V-52V Setable)				
ENVIRONMENT CONDITION 环境条件					
Working temperature 工作温度	-20° C — +50° C				
Storage temperature 储存温度	-20° C — +70° C				
Relative humidity 相对湿度	5%RH~90%RH				
Altitude 海拔高度	(>3,000m Deratng)				
Other 其他	No conductive dust, no corrosive gas, no explosion risk 无导电粉尘、无腐蚀性气体、无爆炸风险				
ENVIRONMENT CONDITION 环境条件					
Cabinet (wide x deep x high) 尺寸	600*600*1200				
User Device Space(mm) 用户设备空间	4U high, 19 inch wide				
Solar module(mm) 太阳能模块	42 (1U wide)*285 (deep, without handle)*135 (3U high) 42 (1U宽)×285 (深, 无手柄)×135 (3U高)				
Rectfier module(mm) 整流器模块	85.3 (2U wide)*287 (deep, without LOGO)*132.3 (3U high) 85.3 (2U宽)×287 (深, 无logo)×132.3 (3U高)				
Cabinet (kg) 机柜	82 (excluding rectfier module, monitoring unit) 82 (不包括整流器模块、监控单元)				
Solar module(kg) 太阳能模块	3				
Rectfier module(kg) 整流器模块	3.5				