



便携式逆变储能一体机  
PORTABLE AII-IN-ONE  
ESS SERIES  
ESS 300W+896WH  
ESS 500W+1000WH

- 

BMS

Integrated design of inverter and BMS  
逆变器+BMS 集成化设计
- 

Support solar charging  
支持光伏充电
- 

Wide MPPT Range 10-55V  
光伏工作电压范围10-55V
- 

循环次数可达8000次  
Cycles can reach 8000 times
- 

All around protection  
全方位保护
- 

Supports USB output & phone charging  
支持USB输出与手机充电

规格参数Specifications Parameter

| 型号Model                                         | ESS 300W+896WH                                      | ESS 500W+1000WH   |
|-------------------------------------------------|-----------------------------------------------------|-------------------|
| 逆变器/充电器Inverter/Charger                         |                                                     |                   |
| 额定交流输出功率Rated AC Output Power                   | 300W                                                | 500W              |
| 输出电压波形Output Voltage Waveform                   | Pure Sine Wave                                      | Pure Sine Wave    |
| 输出电压Output Voltage                              | 185 ~ 230VAC 50Hz                                   | 185 ~ 230VAC 50Hz |
| 低直流警告点Low DC Warning Point                      | ≤19%                                                | ≤19%              |
| 低直流切断电压Low DC Cut-off Voltage                   | 2.9Vdc                                              | 2.9Vdc            |
| 低直流警告恢复电压Low DC Warning Return Voltage          | >20%                                                | >20%              |
| 充电功率 Charging Power(Utility and solar together) | 400W Max.                                           | 500W Max.         |
| 均充电压Bulk Charging Voltage                       | 3.6Vdc                                              | 3.6Vdc            |
| 浮充电压Float Charging Voltage                      | 3.5Vdc                                              | 3.5Vdc            |
| 交流输入AC Input                                    |                                                     |                   |
| 标称输入电压Nominal Input Voltage                     | 230Vac                                              | 230Vac            |
| 低电压保护点Low Loss Voltage                          | 90Vac±7                                             | 90Vac±7           |
| 低电压恢复点Low Loss Return Voltage                   | 100Vac±7                                            | 100Vac±7          |
| 高电压保护点High Loss Voltage                         | 280Vac±7                                            | 280Vac±7          |
| 高电压恢复点High Loss Return Voltage                  | 270Vac±7                                            | 270Vac±7          |
| 最大交流输入电压Max.AC Input Voltage                    | 300Vac                                              | 300Vac            |
| 标称输入频率Nominal Input Frequency                   | 45 ~ 65Hz                                           | 45 ~ 65Hz         |
| 交流充电功率AC Charging Power                         | 300W Max.                                           | 500W Max.         |
| 太阳能输入Solar Input                                |                                                     |                   |
| 标称光伏电压Nominal PV Voltage                        | 30Vdc                                               | 30Vdc             |
| 光伏阵列 MPPT 电压范围PV Array MPPT Voltage Range       | 10Vdc~55Vdc                                         | 10Vdc~55Vdc       |
| 最大光伏阵列开路电压Max.PV Array Open Circuit Voltage     | 56Vdc                                               | 56Vdc             |
| 太阳能充电功率Solar Charging Power                     | 300W Max.                                           | 300W Max.         |
| 磷酸铁锂电池 Lithium Iron Battery                     |                                                     |                   |
| 容量Capacity                                      | 896Wh                                               | 1004.8Wh          |
| 标称电池电压Nominal Battery Voltage                   | 3.2Vdc                                              | 3.2Vdc            |
| 典型容量Typical Capacity                            | 280Ah                                               | 314Ah             |
| 最大充电电流Max.Charge Current                        | 130A                                                | 220A              |
| 最大放电电流Max.Discharge Current                     | 130A                                                | 220A              |
| 工作电压范围Operation Voltage Range                   | 2.9Vdc ~ 3.6Vdc                                     |                   |
| 工作温度Operation Temperature                       | -10℃~+50℃                                           |                   |
| 直流输出DC Output                                   |                                                     |                   |
| 直流输出功率DC Output Power                           | 5W Max.                                             |                   |
| 直流输出插座DC Output Socket                          | 1pcs 5V1A USB charger                               |                   |
| 显示功能Display Function                            |                                                     |                   |
| LED指示灯LED Indicator                             | 4pcs SOC indicators,1 pcs working status indicators |                   |
| 环境Ambient                                       |                                                     |                   |
| 噪音 (dB)Noise(dB)                                | <40dB(1meter)                                       |                   |
| 工作温度 working Temperature                        | -10℃~+50℃                                           |                   |
| 湿度Humidity                                      | 5~95%(no condensation)                              |                   |
| 海拔高度 (米)Sea Level(m)                            | ≤2000                                               |                   |
| 尺寸Dimension                                     |                                                     |                   |
| 长×宽×高(产品尺寸)L×W×H(products size)                 | 312*215*146mm                                       | 356*210*156mm     |
| 长×宽×高(包装尺寸)L×W×H(package size)                  | 410*272*226mm                                       | 412*262*212mm     |
| 重量(净重 Kg)Weight(NW Kg)                          | 9.9Kg                                               | 11.0Kg            |
| 重量(毛重 Kg)Weight(GW Kg)                          | 11.0Kg                                              | 12.0Kg            |