



便携式逆变储能一体机  
**PORTABLE AII-IN-ONE**  
**ESS SERIES**  
ESS 1000W+2009WH

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 13-55V  
光伏工作电压范围13-55V



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 1000W+2009wh                                                                                                             |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| 逆变器/充电器Inverter/Charger                         |                                                                                                                              |
| 额定交流输出功率Rated AC Output Power                   | 1000W                                                                                                                        |
| 输出电压波形Output Voltage Waveform                   | Pure Sine Wave                                                                                                               |
| 输出电压Output Voltage                              | 185 ~ 230VAC 50Hz                                                                                                            |
| 低直流警告点Low DC Warning Point                      | ≤19%                                                                                                                         |
| 低直流切断电压Low DC Cut-off Voltage                   | 5.8Vdc                                                                                                                       |
| 低直流警告恢复电压Low DC Warning Return Voltage          | >20%                                                                                                                         |
| 充电功率 Charging Power(Utility and solar together) | 800W Max.                                                                                                                    |
| 均充电压Bulk Charging Voltage                       | 7.2Vdc                                                                                                                       |
| 浮充电压Float Charging Voltage                      | 7.0Vdc                                                                                                                       |
| 交流输入AC Input                                    |                                                                                                                              |
| 标称输入电压Nominal Input Voltage                     | 230Vac                                                                                                                       |
| 低电压保护点Low Loss Voltage                          | 90Vac±7                                                                                                                      |
| 低电压恢复点Low Loss Return Voltage                   | 100Vac±7                                                                                                                     |
| 高电压保护点High Loss Voltage                         | 280Vac±7                                                                                                                     |
| 高电压恢复点High Loss Return Voltage                  | 270Vac±7                                                                                                                     |
| 最大交流输入电压Max.AC Input Voltage                    | 300Vac                                                                                                                       |
| 标称输入频率Nominal Input Frequency                   | 45 ~ 65Hz                                                                                                                    |
| 交流充电功率AC Charging Power                         | 800W Max.                                                                                                                    |
| 太阳能输入Solar Input                                |                                                                                                                              |
| 标称光伏电压Nominal PV Voltage                        | 38Vdc                                                                                                                        |
| 光伏阵列 MPPT 电压范围PV Array MPPT Voltage Range       | 13Vdc~55Vdc                                                                                                                  |
| 最大光伏阵列开路电压Max.PV Array Open Circuit Voltage     | 56Vdc                                                                                                                        |
| 太阳能充电功率Solar Charging Power                     | 650W Max.                                                                                                                    |
| 磷酸铁锂电池 Lithium Iron Battery                     |                                                                                                                              |
| 容量Capacity                                      | 2009.6Wh                                                                                                                     |
| 标称电池电压Nominal Battery Voltage                   | 6.4Vdc                                                                                                                       |
| 典型容量Typical Capacity                            | 314Ah                                                                                                                        |
| 最大充电电流Max.Charge Current                        | 220A                                                                                                                         |
| 最大放电电流Max.Discharge Current                     | 220A                                                                                                                         |
| 工作电压范围Operation Voltage Range                   | 5.8Vdc ~ 7.2Vdc                                                                                                              |
| 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                                                                          |
| 保护Protection                                    | Overcharge protection、Overdischarge protection、Overcurrent protection<br>Shortcircuit protection、Overtemperature protection" |
| 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)                 | 240x225x360mm                                                                                                                |
| 长×宽×高(包装尺寸)L×W×H(package size)                  | 286x271x416mm                                                                                                                |
| 净重 Weight(NW Kg)                                | 20.9Kg                                                                                                                       |
| 毛重 Weight(GW Kg)                                | 22.7Kg                                                                                                                       |