









# Multiple Protection Smart BMS For Safe Operation



## Built-in BMS Protection



Overcharge  
protection



Overdischarge  
protection



Overcurrent  
protection



Short circuit  
protection



Cell voltage  
self balance



# BUILT-SMART BMS



Overcharge  
Protection



Over discharge  
Protection



Short Circuit  
Protection



High/Low  
Temp Protection



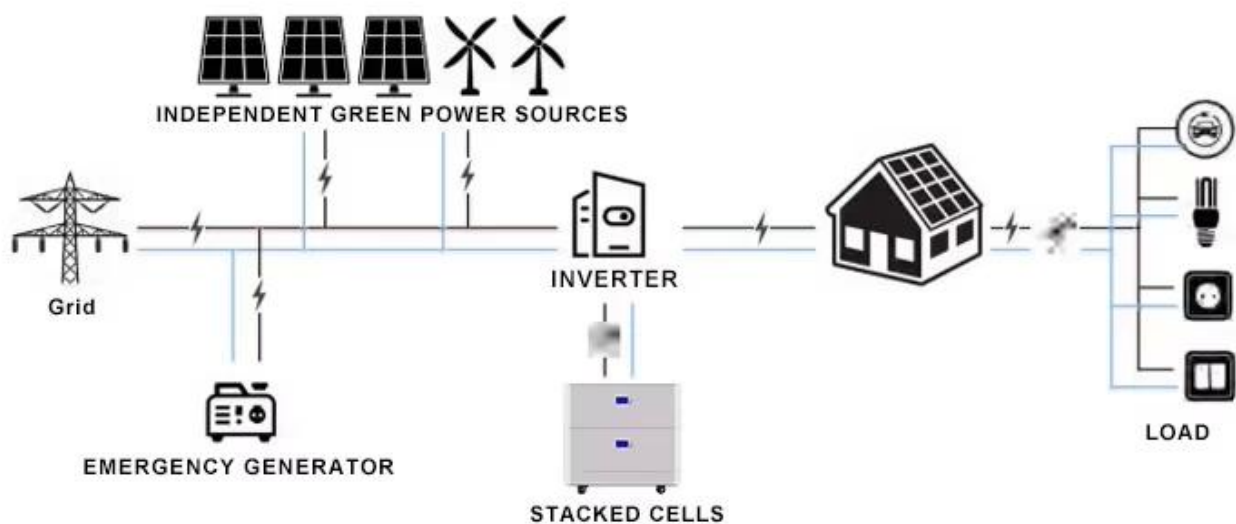
Overcurrent  
Protection



Equalizing  
Voltage

**BMS**

# Charging solution



Energy Management System (EMS) Performance Indicators

|                           | Parameter             | Value        | Unit                |
|---------------------------|-----------------------|--------------|---------------------|
| System Performance        | System Voltage        | 51.2V        | 16S                 |
|                           | System Capacity       | 100Ah        | 0.5C                |
|                           | System Efficiency     | 58.4V        | 3.65 kWh/kWh        |
|                           | System Temperature    | 40V          | 2.5 kWh/kWh         |
|                           | System Current        | 100A         | 200-250V AC         |
|                           | System Power          | 100A         | 200-250V AC         |
|                           | System Resistance     | ≤25mΩ        | 200-250V AC         |
|                           | System Impedance      | ≤25mΩ        | 200-250V AC         |
| Battery Performance       | Battery Voltage       | 58.4V        | Battery Voltage     |
|                           | Battery Current       | 40V          | Battery Current     |
|                           | Battery Power         | 100A         | Battery Power       |
|                           | Battery Temperature   | 0°C          | Battery Temperature |
|                           | BMS Temperature       | -25°C ~ 70°C | BMS Temperature     |
| Environmental Performance | Operating Temperature | -10°C ~ 60°C |                     |
|                           | Storage Temperature   | -20°C~55°C   |                     |
|                           | Humidity              | 95%          |                     |
|                           | Pressure              | 70kPa-106kPa |                     |

|     |                    |                 |                |
|-----|--------------------|-----------------|----------------|
| 材料名 | 材料仕様               | 47±3% ㎡         | 材料 数量          |
|     | 材料仕様               | 53±3% ㎡         | 材料名 数量         |
|     | 材料名 材料仕様 :材料名 材料仕様 | 材料名 材料仕様        | 材料名(材料仕様) 材料仕様 |
|     | 材料仕様               | 635x500x160±3 ㎡ | 材料 材料仕様 材料名 数量 |