

# SOLAR ENERGY STORAGE LITHIUM BATTERY

UN38.3,MSDS,IEC,CE,RoHs

2.56KWh



Fire Extinguishers



## Larger Battery Capacity

Modular Design  
100% Deeply Discharge



## Simple Installation

25KG Hybrid Inverter Module  
55KG Battery Module



## Battery Ready Easy to opate



## Transparency

Wi-Fi Connection  
Real Time Monitoring System



## Safe & Reliable

Lithium Battery (LiFePO<sub>4</sub>)  
Grade A Battery Cell  
Life Over 6000 Cycles



## Active Safety

Smart BMS System  
Fire Extinguishers installed

|                                      |   |
|--------------------------------------|---|
| Model                                | ESN-256100-LFOESS   |
| <b>2.56KWh Lithium Battery</b>       |   |
| <b>Performance</b>                   |   |
| Nominal voltage                      | 25.6V   |
| Nominal capacity                     | 100Ah   |
| Battery Energy                       | 2.56KWh   |
| Charging cutoff voltage              | 29.2V   |
| Discharge Cut-off Voltage            | 20V   |
| Maximum continuous discharge current | 100A  |
| Instantaneous discharge current      | 100A  |
| Standard charging current            | <25A  |
| Standard discharge current           | 50A   |
| <b>Communication</b>                 |   |
| Display                              | LCD display screen/touch screen display screen                            |
| Communication                        | RS232、RS485、CAN   |
| <b>General Specification</b>         |   |
| Dimension(W × D × H mm)              | 360*200*440mm   |
| Weight(kg)                           | 26kg  |
| Cell type                            | LiFePO <sub>4</sub>   |
| Installation                         | Wall Mount/Floor Stand  |
| Charge suitable temperature          | 0℃~45℃  |
| Discharge suitable temperature       | -20℃~65℃  |
| Cooling method                       | Natural cooling   |
| Cycle life                           | 6000 Cycles   |
| Battery protection function          | Overcurrent, overvoltage, overcharging, overdischarge, short circuit, etc |
| Warranty                             | 5 years   |
| <b>Standard Compliance</b>           |   |
| Certificates                         | UN38.3,MSDS, IEC,CE,RoHs  |
| <b>1.5 KW Inverter</b>               |   |
| Input voltage range 24V              | 24V   |
| Low pressure alarm 19~30V            | 19~30V  |
| Low voltage protection               | 20V   |
| Low pressure recovery                | 19V(stop output)  |
| Low voltage protection               | 22V   |
| Power rating restored                | 1500W   |
| AC Voltage                           | 220V  |
| <b>On grid mode (charging )</b>      |   |
| Rated voltage                        | 220V  |
| Rated frequency                      | 50/60Hz   |
| Power rating                         | 480W  |
| Maximum efficiency                   | ≥90%  |
| UPS switching time                   | < 20ms  |