



6000 cycles at 90% DOD



1C/1C continual charge and discharge



10 years standard warranty



Superior LiFePO4 safety performance



Low voltage safety connection



Max. 8 modules parallel

Features:

Two Mounting Methods:

- 1 Wall Mounted with Wall Bracket
- 2 Floor Stand With Detachable Floor Bracket

Compatible With Inverter Brands

Battery BMS supports simultaneous communication and compatible with multiple inverter brands

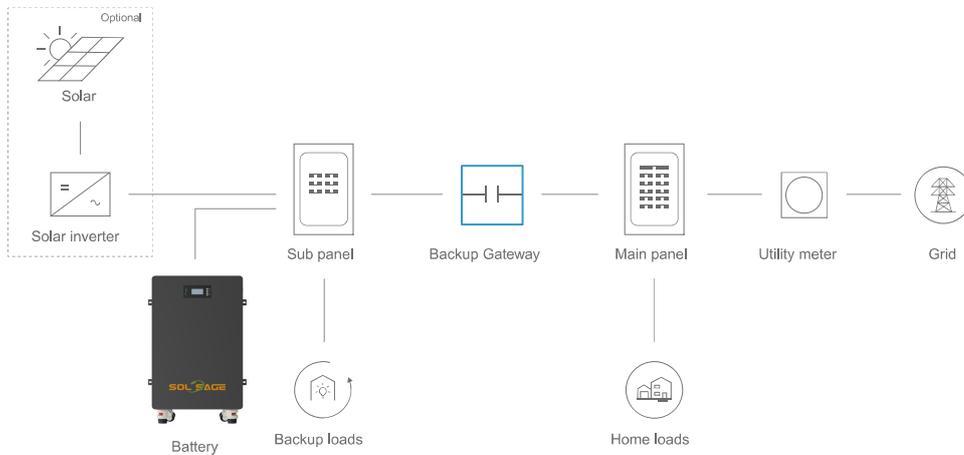


51.2V Wall Mounted LiFePO4 Battery

5KWH 10KWH 14KWH 16.07KWH



PARTIAL HOME BACKUP



Parameters

| Product Model | ES-BOX12 | ES-BOX12 PLUS | ES-BOX12 MAX | ES-BOX12 MAX+ |
|-----------------------------|--------------------------------|---------------|---------------|---------------|
| Nominal Energy | 5.12KWH | 10.34KWH | 14.34KWH | 16.07KWH |
| Nominal Voltage | 51.2V | 51.2V | 51.2V | 51.2V |
| Nominal Capacity | 100Ah | 202Ah | 280Ah | 314Ah |
| Cell Type | LFP | LFP | LFP | LFP |
| Standard Charge Voltage | 56V | 56V | 56V | 56V |
| Max Discharge Current | 100A | 150A | 200A | 200A |
| Discharge Cut-Off Voltage | 44.8V | 44.8V | 44.8V | 44.8V |
| Parallels Function | Support 8 Units In Parallels | | | |
| Communication Interface | RS485、RS232、CAN (Optional) | | | |
| Cycle Life * | ≥6000 Cycles (90%DOD) | | | |
| Charge temperature range | 0~55°C | | | |
| Discharge temperature range | -20~55°C | | | |
| Certification | MSDS / UN38.3/UL1973 | | | |
| Dimensions | 480*600*150mm | 480*650*180mm | 490*840*242mm | 490*932*242mm |
| Weight | 58Kg | 89Kg | 123Kg | 130Kg |
| Installation method | Wall Mounted/Floor Standing | | | |
| Warranty | 10 Years(under warranty terms) | | | |

*Test Condition: 80% DOD, 0.2C charge & discharge @25°C

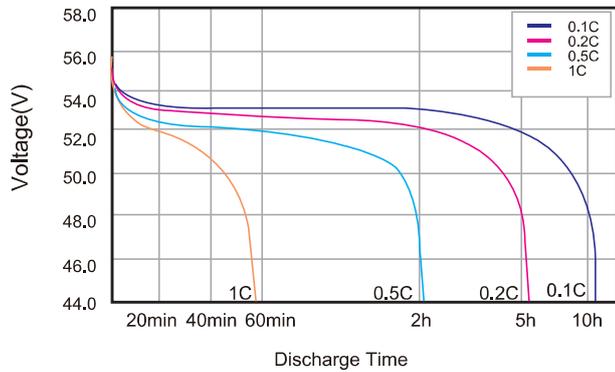
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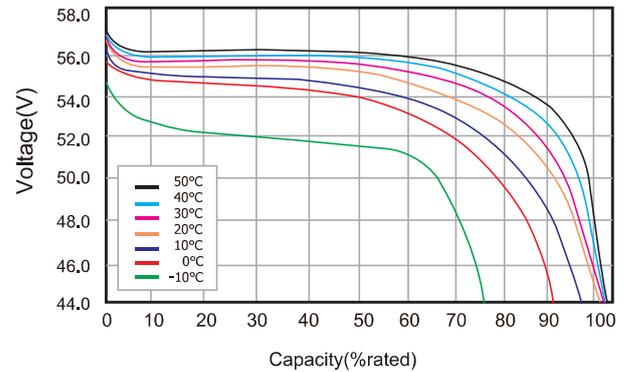


● Different current/Temperature Discharge curves

Different Rate Discharge Curve @25°C

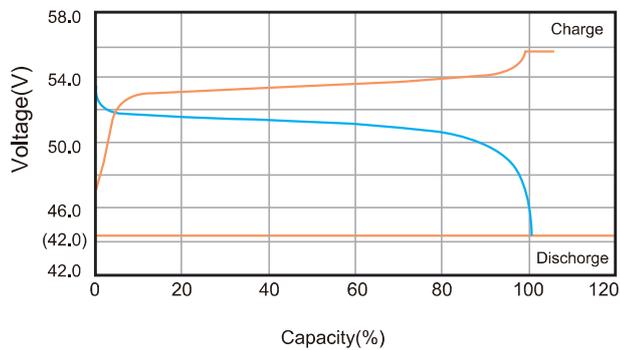


Different Temperature Discharge Curve @0.5C

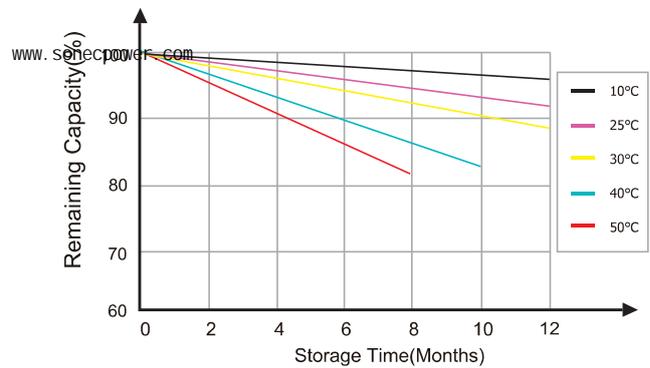


● Charging and Discharge curve

Charge and Discharge at 25°C, 0.5C

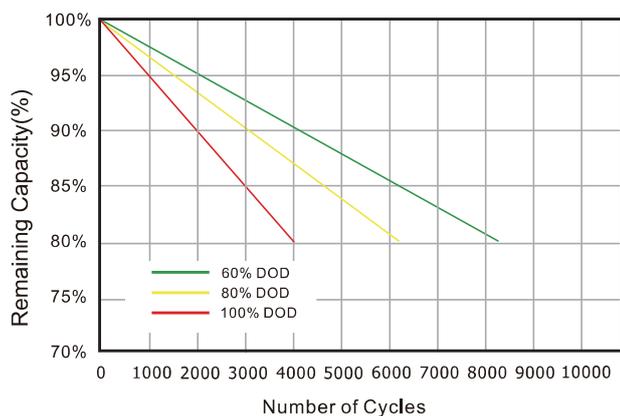


Different Temperature Self Discharge Curve



● Cycle Life Curve

Different Discharge Depth Life Curves & 25°C, 0.5C



Different Discharge Depth Life Curves & 40°C, 0.5C

