# Stackable LiFePo4 Battery System

### Smaller Footprint
higher energy density benefit from latest LFP technology

### Expandable
Module design
Maximum 5.12kwh*10S*6P

### Monitor
Real-time monitoring of battery charging and discharging, online system updates and maintenance

**Compatible with:**

Deye Afore KOYOE
GOODWE SOFAR
solis MEGAREVO ATESS

# Stackable LiFePo4 Battery System

| Battery | | SKU | EAN |
|---|---|---|---|
| 15.36KW | 5.12 x 3 | 120023 | 3800170224285 |
| 20.48KW | 5.12 x 4 | 120024 | 3800170224292 |
| 25.6KW | 5.12 x 5 | 120025 | 3800170224308 |
| 30.72KW | 5.12 x 6 | 120026 | 3800170224315 |
| 35.84KW | 5.12 x 7 | 120027 | 3800170224322 |
| 40.96KW | 5.12 x 8 | 120028 | 3800170224339 |

## Technical Data

| Technical specification | 15KWH | 20KWH | 25KWH | 30KWH | 35KWH | 40KWH |
|---|---|---|---|---|---|---|
| Installation Mode | Stackable | | | | | |
| Battery Type | LifePO4(LFP) | | | | | |
| Module Energy(kWh) | 5.12 | | | | | |
| Module Nominal Voltage(V) | 51.2 | | | | | |
| Module Capacity(Ah) | 100 | | | | | |
| System Model | OHS15K-100 | OHS20K-100 | OHS25K-100 | OHS30K-100 | OHS35K-100 | OHS40K-100 |
| Battery Module Qty InSeries(Optional) | 3 | 4 | 5 | 6 | 7 | 8 |
| System Nominal Voltage(V) | 153.6 | 204.8 | 256.0 | 307.2 | 358.4 | 409.6 |
| System Nominal Capacity(KWh) | 15.36 | 20.48 | 25.60 | 30.72 | 35.84 | 40.96 |
| Usable Capacity(KWh) | 12.29 | 16.38 | 20.48 | 24.58 | 28.67 | 32.77 |
| Dimension (mm) | 590*420*698 | 590*420*849 | 590*420*1000 | 590*420*1151 | 590*420*1302 | 590*420*1453 |
| Weight (Kg) | 161.4 | 207.0 | 252.6 | 298.2 | 343.8 | 389.4 |
| Recommend Charge/Discharge Current (A) | 40 | | | | | |
| Communicaiton | CAN | | | | | |
| Altitude | ⩽2000m | | | | | |
| Cycle Life | 25±2°C,0.5C/0.5C,EOL70%⩾6000 | | | | | |
| Monitoring Parameters | System voltage,Current,cell voltage,cell temperature,module temperature | | | | | |
| SOC | Intelligent algorithm | | | | | |
| Working Temperature | 0℃~45℃ Charge -10℃ ~55℃ Disharge | | | | | |
| Storage Temperature | 0~35℃ | | | | | |

1. DC Usable Energy, test conditions: 80% DOD, 0.2C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.
2. The current is affected by temperature and SOC.
3. The warranty is due whichever reached first of warranty period or life cycle power.

# System Components

| Model | Description |
|---|---|
| OHS-HV100 | High voltage battery cluster control box |

SKU: 12151 EAN: 3800170224254

| | |
|---|---|
| Operating Voltage | 120 ~ 750Vdc |
| Nominal Charge/Discharge Current | 40A |
| Max Charge/Discharge Current | 50A |
| Operating Temperature Range | -10~55°C |
| Ingress Protection | IP65 |
| Dimension (W/D/H) | 590*420*165 mm |
| Weight Approximate | 16.1kg |

| | |
|---|---|
| OH-5K | LiFePo4 Battery Module |

SKU: 12002 EAN: 3800170224261

| | |
|---|---|
| Battery Type | LiFePO4(LFP) |
| Nominal Voltage | 51.2Vdc |
| Rated Capacity | 100Ah |
| Rated Energy | 5.12kWh |
| Nominal Charge/Discharge Current | 40A |
| Peak Discharge Current | 50A |
| Charge Temperature | 0~45°C |
| Discharge Temperature | -10°C ~ 55°C |
| Storage Temperature | 0°C ~ 35°C |
| Ingress Protection | IP65 |
| Dimension (W/D/H) | 590*420*194mm |
| Weight Approximate | 45.6kg |

| | |
|---|---|
| OH-Base | Battery module base |

SKU: 12152 EAN: 3800170224278

| | |
|---|---|
| Dimension (W/D/H) | 590*420*80mm |
| Weight Approximate | 8.5kg |

| | |
|---|---|
| COM Cable | Standard 2-meter commumication cable connected to the external device |

| | |
|---|---|
| Cable | Standard 2-meter power cable connected to the external PCS |

25mm² Cable