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