

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

KOYO

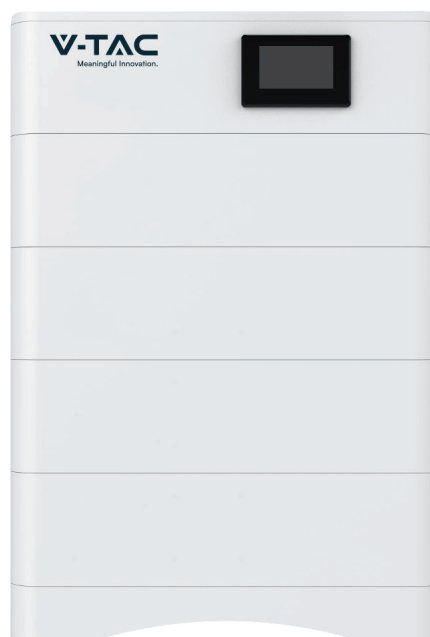
GOODWE

SGFAR

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°C~45°C Charge -10°C ~55°C Discharge					
Storage Temperature	0~35°C					

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		
Operating Voltage	120 ~ 750Vdc	SKU: 12151	EAN: 3800170224254
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		
Battery Type	LiFePO4(LFP)	SKU: 12002	EAN: 3800170224261
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		
Dimension (W/D/H)	590*420*80mm	SKU: 12152	EAN: 3800170224278
Weight Approximate	8.5kg		
COM Cable	Standard 2-meter communication cable connected to the external device		
			
Cable	Standard 2-meter power cable connected to the external PCS		
25mm² Cable			