

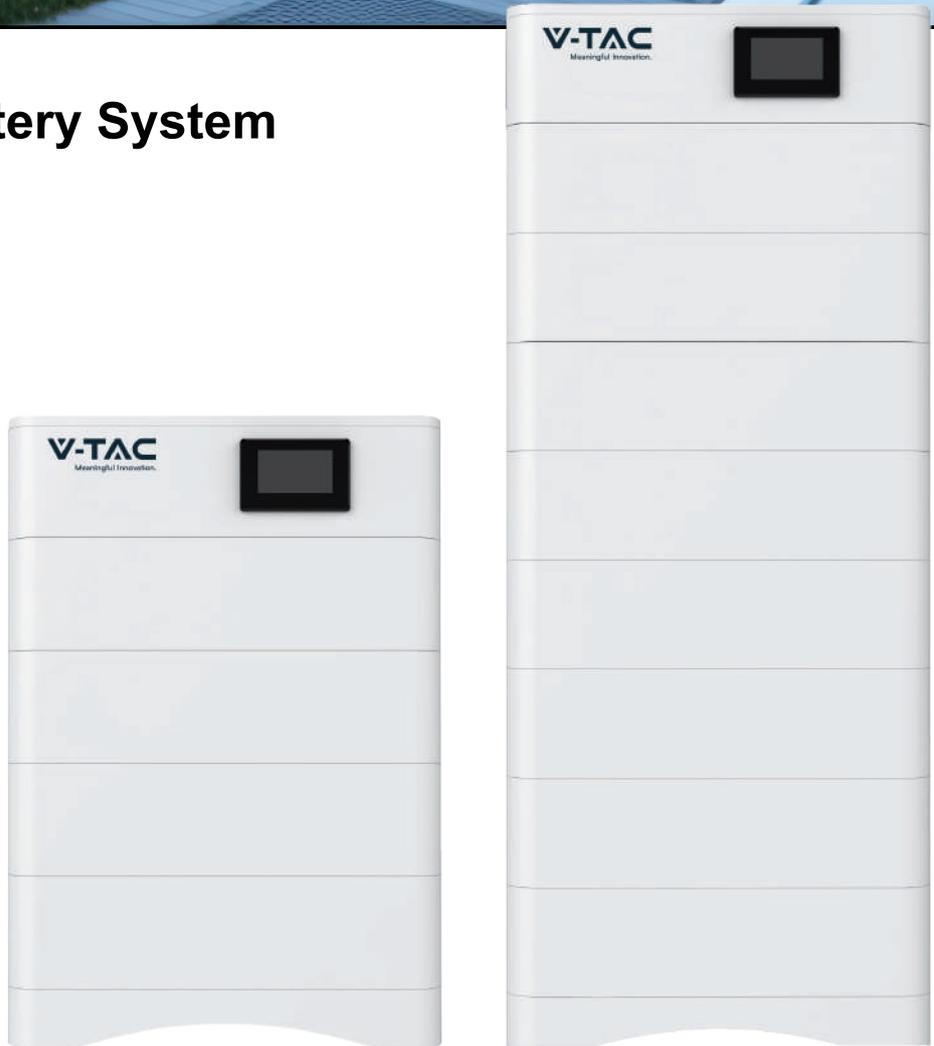


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Cell Balance function
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Voltage Protection
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Over Charge Protection
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Over Discharge Protection
- 
Over Current Protection
- 
Short-circuit Protection
- 
Temperature Protection
- 
Soft Start Function

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:



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					
Communication	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	SKU	EAN
OHS-HV100	High voltage battery cluster control box	12151	3800170224254
Operating Voltage Nominal Charge/Discharge Current Max Charge/Discharge Current Operating Temperature Range Ingress Protection Dimension (W/D/H) Weight Approximate	120 ~ 750Vdc 40A 50A -10~55°C IP65 590*420*165 mm 16.1kg		
			
OH-5K	LiFePo4 Battery Module	12002	3800170224261
Battery Type Nominal Voltage Rated Capacity Rated Energy Nominal Charge/Discharge Current Peak Discharge Current Charge Temperature Discharge Temperature Storage Temperature Ingress Protection Dimension (W/D/H) Weight Approximate	LiFePO4(LFP) 51.2Vdc 100Ah 5.12kWh 40A 50A 0~45°C -10°C ~ 55°C 0°C ~ 35°C IP65 590*420*194mm 45.6kg		
			
OH-Base	Battery module base	12152	3800170224278
Dimension (W/D/H) Weight Approximate	590*420*80mm 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		
25mm ² Cable			
			