



OHL-233

Rechargeable Li-ion Battery System



Smaller Footprint

higher energy density benefit from latest LFP technology



Expandable

Module design
Maximum 46.59kwh*5S*2P
(Inverter based 2 battery input ports)



Monitor

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



Fire fighting

Lithium Iron Phosphate (LFP) Battery,
The battery pack and system adopt an aerosol fire extinguishing solution



Cell Balance function



Voltage Protection



Over Charge Protection



Over Discharge Protection



Over Current Protection



Short-circuit Protection



Temperature Protection



Soft Start Function



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Technical Data

Model	OHL-233
Main Parameter	
Cell Chemistry	LiFePO4
Module Energy (kWh)	46.59
Module Nominal Voltage (V)	166.4
Module Capacity (Ah)	280Ah
Battery Module Qty In Series (Optional)	5
System Nominal Voltage (V)	832
System Operating Voltage (V)	728~949
System Energy (kWh)	232.96
System Usable Energy (kWh)	209.66
Recommend Charge/Discharge Current (A)	100
Max Charge/Discharge Current (A)	140
Dimension (W/D/H,mm)	1100*1400*2105 (Inverter not included) 1600*1400*2105 (Inverter included)
Weight Approximate (kg)	~2700
Installation Location	Floor-mounted
Communication	CAN
Ingress Protection	IP65
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: 90% 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.

Typical application cases

1. System Expansion

$$233\text{KWH} \times 2 + 80\text{KW inverter} = 80\text{KW} / 466\text{KWH}$$

*Inverter based 2 battery input ports.



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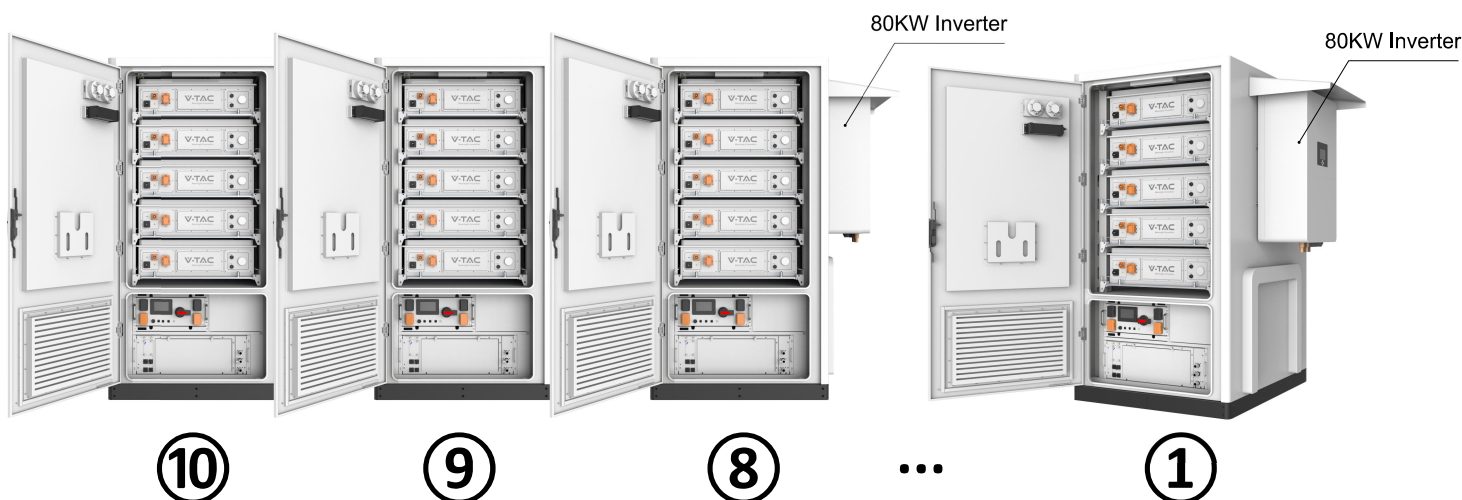


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2. System Expansion

$$80\text{KW} / 233\text{KWH} \times 10 = 800\text{KW} / 2330\text{KWH}$$

*The AC side of the inverter can be parallel with ten machines



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