

HIGH VOLTAGE ENERGY STORAGE BATTERY

30Kwh~96Kwh Stackable Mounted



Features



LiFePO4:
Higher safe
performance and
longer cycle life.



Multiple Protection:
Built-in
smart BMS.



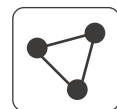
Flexible Installation:
Movable.



High Scalability.



Batteries can be to
double the capacity.



Wide Compatibility:
Compatible with
leading inverter
brands.

Specification

Parameters		Data Sheet						
Battery Module	HV32-10				HV32-15			
Battery Module Voltage	102.4V				102.4V			
Battery Module Capacity	100Ah				157Ah			
Number of Modules Supported	3	4	5	6	3	4	5	6
Nominal Voltage	307.2V	409.6V	512V	614.4V	307.2V	409.6V	512V	614.4V
Operating Voltage	288~336V	384V~448V	480V~560V	576V~672V	288~336V	384V~448V	480V~560V	576V~672V
Energy Capacity	30.72kWh	40.96kWh	51.20kWh	61.44kWh	48kWh	64kWh	80kWh	96kWh
Dimensions (L*D*H)	780x520 x755mm	780x520 x920mm	780x520 x1085mm	780x520 x1250mm	800x520 x880mm	800x520 x1083mm	800x520 x1286mm	800x520 x1500mm
Weight	≈372Kg	≈542Kg	≈627Kg	≈712Kg	≈436Kg	≈554Kg	≈672Kg	≈790Kg
Standard Charge/Discharge Current	Charge 20A / 0.2C; Discharge 50A / 0.5C				Charge 30A / 0.2C; Discharge 75A / 0.5C			
Battery Cell Type	LiFePO4 Battery (Lithium iron phosphate battery)							
Enclosure Protection Rating	IP20							
Round-tip Efficiency	≥95%							
Applications	ON Grid / ON Grid + Backup / OFF Grid							
Communication Mode	RS485 / CAN							
BMS Monitoring Parameters	SOC, System voltage, Current, Cell voltage, Cell temperature							
Working Temperature	0°C~50°C Charge / -10°C~50°C Discharge							
The Shelf Temperature	-20°C~60°C							
Humidity	5~95%(RH)							
Design Life Cycle	10+Years (25°C/77°F)							
Cycle Life	≥6500 at 25°C							

Application Scenario

