76.8V314Ah-HV Rack/Cabinet Energy Storage





- **Reliable**

Lithium Iron Phosphate (LFP) Battery, safety, high density, small self-discharge, no memory effect, etc. Equipped with protective cut-off switch.

- **Flexible**

Modular design, single set can expand to 11units (265kWh capacity).
Multiple battery units can be stacked, small footprint, low economic cost.

- **Smart**

Equipped with BMS management system, voltage, current, temperature collection, intelligent adjustment of charge and discharge power. Equipped WIFI module, can monitor remotely.
Fan cooling system, with cooling shell, effectively reduce the battery heat.

- **Cooperation**

Supports customization, OEM/ODM.

- **Quality Assurance**

Five years free warranty, additional five years of technical support.

Technical Parameters

Model	76.8V314Ah-HV								
Main Parameter									
Cell Chemistry	LiFePO4								
Module Energy	24.12(kWh)								
Module Nominal Voltage	76.8(V)								
Module Capacity	314(Ah)								
Module Dimension	528*1042*268(W/D/H,mm)								
Module Weight Approximate	177(kg)								
Battery Module Qty In Series	3 (Optional)	4 (Optional)	5 (Optional)	6 (Optional)	7 (Optional)	8 (Optional)	9 (Optional)	10 (Optional)	11 (Optional)
System Nominal Voltage	230.4(V)	307.2(V)	384(V)	460.8(V)	537.6(V)	614.4(V)	691.2(V)	768(V)	844.8(V)
System Operating Voltage	208.8~259.2 (V)	278.4~345.6 (V)	348~432 (V)	417.6~518.4 (V)	487.2~604.8 (V)	556.8~691.2 (V)	626.4~777.6 (V)	696~864 (V)	765.6~950.4 (V)
System Energy	72.35(kWh)	96.46(kWh)	120.58(kWh)	144.69(kWh)	168.81(kWh)	192.92(kWh)	217.04(kWh)	241.15(kWh)	265.27(kWh)
System Usable Energy (kWh)	65.11 (90%DOD)	86.81 (90%DOD)	108.52 (90%DOD)	130.22 (90%DOD)	151.93 (90%DOD)	173.63 (90%DOD)	195.33 (90%DOD)	217.04 (90%DOD)	238.74 (90%DOD)
Charge/Discharge Current	Recommend: 160(A) Max: 200(A)								
Working Temperature	-10~55(°C)								
Cooling Mode	Fan Cooling								
Communication Port	CAN, RS485								
Humidity	5%~95%RH								
Altitude	≤2000m								
IP Rating of Enclosure	IP20								
Dimension (W/D/H,mm)	528*1042 *954	528*1042 *1490	528*1042 *1758	(528*2)* 1042*1222	(528*2)* 1042*1222	(528*2)* 1042*1490	(528*2)* 1042*1490	(528*3)* 1042*1222	(528*3)* 1042*1222
Weight Approximate	561(kg)	738(kg)	915(kg)	1092(kg)	1269(kg)	1446(kg)	1623(kg)	1800(kg)	1977(kg)
Installation Location	Stack Mounting, Iron Frame Mounting								
Storage Temperature	0~35(°C)								
Recommend Depth of Discharge	90%								
Cycle Life	≥8000 times								
Warranty	5+5 years								
Certification	CE, UN38.3, MSDS								
The current is affected by temperature and SOC									