

High Voltage Stack Energy Storage

1000V, 100-261kWh

Provide Full Solution System

HIGH VOLTAGE STACK ENERGY STORAGE



PRODUCT FEATURES

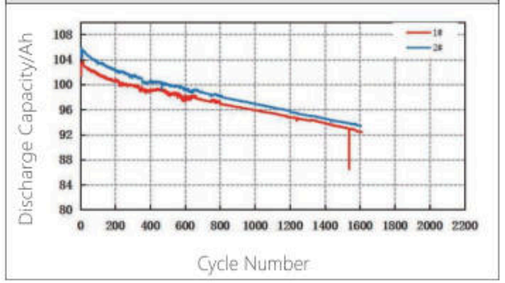
- Can Be Flexibly Expanded
- Multifunctional Protection
- Convenient Installation Method
- Performance Is Safe And Stable
- Demand Customization

BMS PROTECTION

- Discharge Overcurrent Protection
- Short Circuit Protection
- Temperature Protection
- Charging Overvoltage Protection
- Discharge Undervoltage Protection
- OC/OD Protection

- The maximum series support voltage 1000V.
- BMS Intelligent protection.
- Can be connected to WiFi for real-time monitoring.
- Applied to: Large-scale photovoltaic power stations with energy storage, wind power stations with energy storage, independent energy storage power stations on the power grid, high-end industrial and commercial park energy storage, large-scale ship power storage or port shore power storage.
- Wide range of inverters available for matching.
- Compact size and space saving.

Discharge capacity curve graph



APPLICATION SCENARIOS


Photovoltaic Energy Storage


Household Electricity

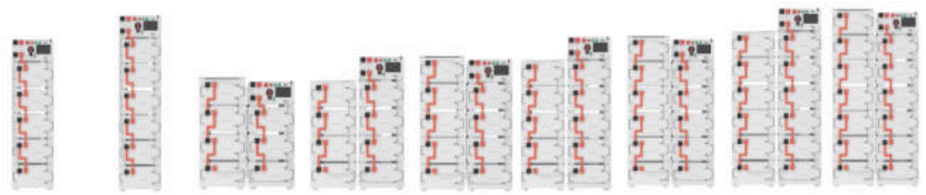

Fire And Security System


Industrial Electricity Consumption

1000V, 100-261kWh

High Voltage Stack Energy Storage

MAIN PARAMETERS



Module Number	5	6	7	8	9	10	11	12	13
Rated Voltage (V)	320	384	448	512	576	640	704	768	832
Available Capacity (kWh)	100.48	120.576	140.672	160.768	180.864	200.96	221.056	241.152	261.248
Operating Voltage Range (V)	260 ~ 365	312 ~ 438	364 ~ 511	416 ~ 584	468 ~ 657	520 ~ 730	572 ~ 803	624 ~ 876	676 ~ 949
Rated Charging And Discharging Power (kW)	48	57.6	67.2	76.8	86.4	96	105.6	115.2	124.8
Battery Type	$LiFePO_4$								
Communication Interface	CAN2.0								
Visual data display	4.3 Inch HMI								
Remote Control	WiFi								
Cycle Life	≥6000 Cycle, 80%DOD, 25℃								
Class Of Protection	IP21								
Installation Mode	Stack Mounting								
Relative Humidity	0~95% (Non-Freezing)								
Operating Temperature	Charging: 0°C to+55°C / 32°F to 122°F Discharge: -20°C to +60°C/-4°F to 140°F								
Operating Altitude	≤2000M								
Standards And Certification	Cell			IEC62619 ROHS UL1973 UL1642 UL9540					
	Battery Pack			MSDS/UN38.3/Class 9					
Weight(kg)	750	895	1040	1185	1330	1475	1620	1765	1910
Dimensions (L*W*H) mm	447*885 *1590	447*885 *1855	896*885 *1060	896*885 *1325	896*885 *1325	896*885 *1590	896*885 *1590	896*885 *1855	896*885 *1855

※ Test Conditions - Temperature 25°C, at the beginning of life.
※ Total Energy is measured under specific condition from (0.5CCCV/0.5CC).
※ Value for Battery Cell Only (Depth of Discharge 95%). Actual usable energy at the AC output may vary by condition, such as the battery converter, inverter efficiency and temperature.



HV Control Module-1000V, 100A	Technical Parameter
Operating Voltage Range	200V-1000V
Electric Current	100A/200A/300A
Peak Current	100A Continue @110A 5s 200A Continue @205A 5s 300A Continue @305A 5s
Communication Interface	CAN2.0
Visual data display	4.3 Inch HMI
DC Disconnect	Circuit Breaker
Operating Temperature	Charging: 0°C to+55°C / 32°F to 122°F Discharge: -20°C to +60°C/-4°F to 140°F



Battery Module-102.4V, 100Ah	Technical Parameter
Battery Type	$LiFePO_4$
Rated Voltage	64V
Rated Capacity	314Ah
Available Capacity	20.096kWh
Combination Mode	20S1P
Cycle Life	≥6000 Cycle, 80%DOD, 25℃
Operating Temperature	Charging: 0°C to+55°C / 32°F to 122°F Discharge: -20°C to +60°C/-4°F to 140°F

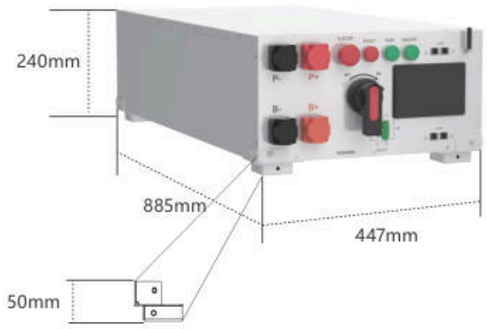
COMPATIBLE INVERTER MANUFACTURERS

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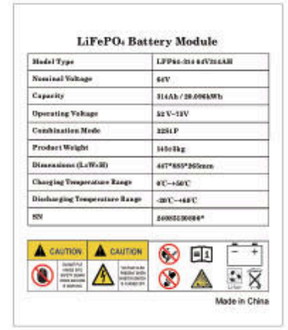
*Please note that all specifications are changed without notice.

CONTROL BOX SIZE LABEL APP

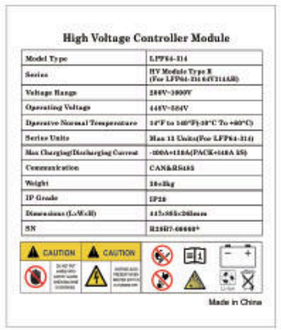


Dimensions	
Part Number	HV Control Module-1000V 100A/200A/300A
Width	447mm (Does Not Include Shelves)
Height	240mm (Does Not Include Shelves)
Depth	885mm (Does Not Include Shelves)
Weight	20~30Kg
Dimensions(Including the shelves)	
Dimensions (L*W*H) mm	447*885*265mm



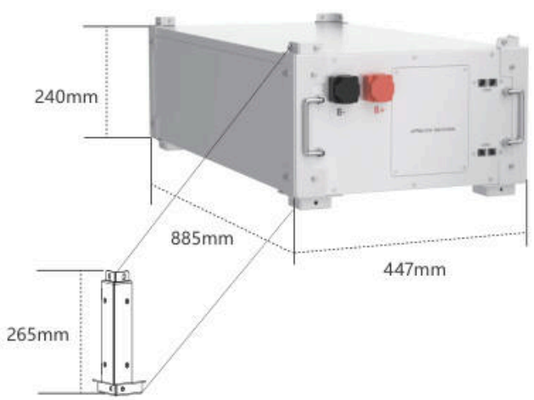








BATTERY BOX SIZE LABEL



Dimensions	
Part Number	Battery Module-64V, 314Ah
Width	447mm (Does Not Include Shelves)
Height	240mm (Does Not Include Shelves)
Depth	885mm (Does Not Include Shelves)
Weight	145±3%Kg
Dimensions(Including the shelves)	
Dimensions (L*W*H) mm	447*885*265mm

SHIPPING ACCESSORIES

				
Battery Module	HV Control Module	User manual	USB to CAN Communication box	Inverter communication cable
				
Ground wire	Serial power cable	B+ Power cable(Orange)	B-Power cable(Black)	Module communication cable
				
P+ Power cable	P- Power cable	Hexagonal screw M5		

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