

High Voltage Stack Energy Storage

1000V, 20-81kWh

Provide Full Solution System

HIGH VOLTAGE STACK ENERGY STORAGE



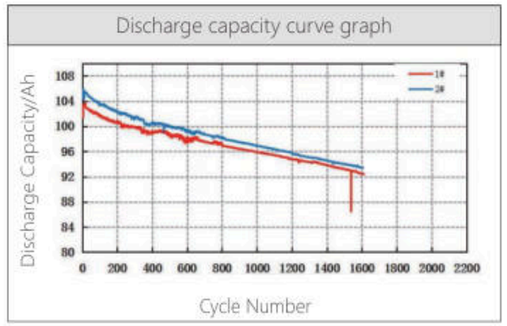
PRODUCT FEATURES

- 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.



APPLICATION SCENARIOS


Photovoltaic Energy Storage


Household Electricity


Fire And Security System


Industrial Electricity Consumption

1000V, 20-81kWh

High Voltage Stack Energy Storage

MAIN PARAMETERS



Module Number	2	3	4	5	6	7	8
Rated Voltage (V)	204.8	307.2	409.6	512	614.4	716.8	819.2
Available Capacity (kWh)	20.48	30.72	40.96	51.2	61.44	71.68	81.92
Operating Voltage Range (V)	166.4 ~ 233.6	249.6 ~ 350.4	332.8 ~ 467.2	416 ~ 584	499.2 ~ 700.8	582.4 ~ 817.6	665.6 ~ 934.4
Rated Charging And Discharging Power (kW)	20.48	30.72	40.96	51.2	61.44	71.68	81.92
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)	204	294	384	474	564	564	744
Dimensions (L*W*H) mm	485*870 *631	485*870 *825	485*870 *1019	485*870 *1213	485*870 *1407	485*870 *1601	485*870 *1795

※ 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
Peak Current	100A Continue @110A 5s
Communication Interface	CAN2.0
Visual data display	4.3 Inch HMI
DC Disconnect	Circuit Breaker 126A, 1000V rating
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	102.4V
Rated Capacity	100Ah
Available Capacity	10.24kWh
Combination Mode	32S1P
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



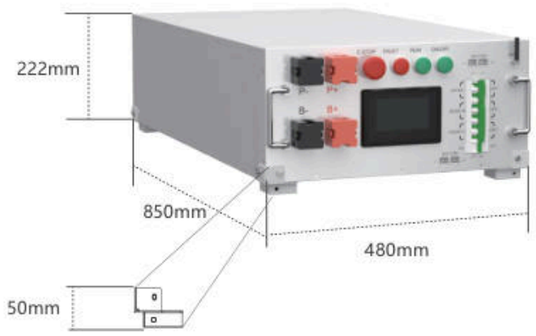
COMPATIBLE INVERTER MANUFACTURERS

Deye® GROWATT ATESS solis

迈格瑞能 MEGAREVO EAST® 易事特 Afore GOODWE

*Please note that all specifications are changed without notice.

CONTROL BOX SIZE LABEL APP

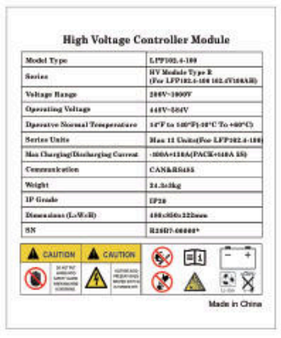


Dimensions	
Part Number	HV Control Module-1000V, 100A
Width	480mm (Does Not Include Shelves)
Height	220mm (Does Not Include Shelves)
Depth	850mm (Does Not Include Shelves)
Weight	24.3±3%Kg
Dimensions(Including the shelves)	
Dimensions (L*W*H) mm	485*870*243mm



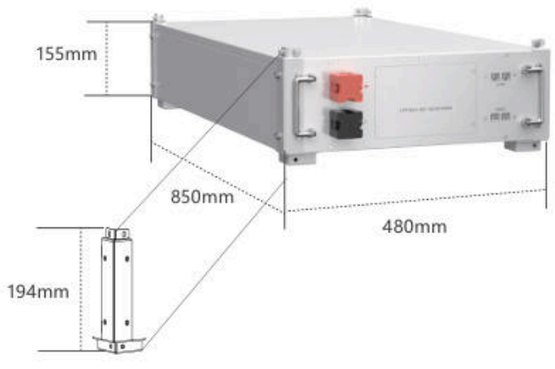








BATTERY BOX SIZE LABEL



Dimensions	
Part Number	Battery Module-102.4V, 100Ah
Width	480mm (Does Not Include Shelves)
Height	155mm (Does Not Include Shelves)
Depth	850mm (Does Not Include Shelves)
Weight	90±3%Kg
Dimensions(Including the shelves)	
Dimensions (L*W*H) mm	485*870*194mm

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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