

Lithium Battery Pack High Voltage Series

Blade batteries and high-voltage batteries both represent significant advancements in battery technology, each offering unique advantages. The blade battery features a revolutionary blade-shaped design that optimizes space utilization and enhances structural strength, while also addressing safety concerns such as thermal runaway through innovative cell structures and chemical materials. It maintains an exceptionally high level of safety even under extreme conditions, setting new standards for safety, energy density, and lifespan in batteries. On the other hand, high-voltage batteries excel in energy density, enabling the storage of more electrical energy in a smaller volume and weight, and provide higher voltage output, reducing energy loss and improving efficiency. They also boast a longer lifespan and can be scaled through modular series connections to meet diverse demands, supported by intelligent battery control units to ensure high safety and efficient operation. While blade batteries focus on safety and structural innovation, high-voltage batteries emphasize energy density and efficiency, both driving the advancement of battery technology.

Features And Advantages



Simple Installation Design



Real-time Date Monitoring with Bluetooth



10 Years Warranty





Superior BMS with Brand Battery Cell



Large Capacity range: 15kWh—105kWh



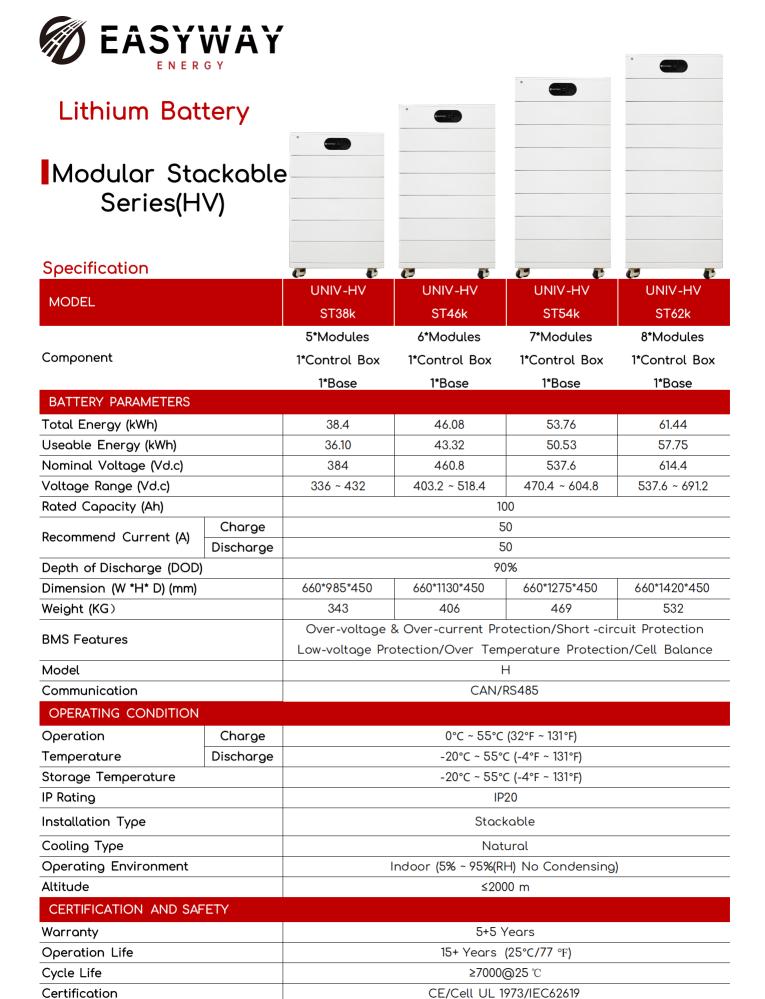
Ultra-thin battery cell



Lithium Battery

Modular Sta Series(H		9	· · · · · · · · · · · · · · · · · · ·	•
Specification		e e	e e	e e
MODEL		UNIV-HV ST15k	UNIV-HV ST23k	UNIV-HV ST31k
Component		2*Modules	3*Modules	4*Modules
		1*Control Box	1*Control Box	1*Control Box
		1*Bose	1*Base	1*Base
BATTERY PARAMETERS		, 53.0		,
Total Energy (kWh)		15.36	23.04	30.72
Useable Energy (kWh)		14.44	21.66	28.88
Nominal Voltage (Vd.c)		153.6	230.4	307.2
Voltage Range (Vd.c)		134.4 ~ 172.8	201.6 ~ 259.2	268.8 ~ 345.6
Rated Capacity (Ah)		100		
Recommend Current (A)	Charge	50		
	Discharge	50		
Depth of Discharge (DOD)		90%		
Dimension (W *H* D) (mm)		660*550*450	660*695*450	660*840*450
Weight (KG)		154	217	280
BMS Features		Over-voltage & Over-current Protection/Short -circuit Protection		
		Low-voltage Protection/Over Temperature Protection/Cell Balance		
Model		H		
Communication		CAN/RS485		
OPERATING CONDITION				
Operation	Charge	0°C ~ 55°C (32°F ~ 131°F)		
Temperature	Discharge	-20°C ~ 55°C (-4°F ~ 131°F)		
Storage Temperature		-20°C ~ 55°C (-4°F ~ 131°F)		
IP Rating		IP20		
Installation Type		Stackable		
Cooling Type		Natural		
Operating Environment		Indoor (5% ~ 95%(RH) No Condensing)		
Altitude		≤2000 m		
CERTIFICATION AND SAF	ETY			
Warranty		5+5 Years		
Operation Life		15+ Years (25°C/77 °F)		
Cycle Life		≥7000@25 ℃		
Certification		CE/Cell UL 1973/IEC62619		
Transportation Certification		UN38.3/MSDS		

The recommended and max. continuous operation current is for a battery cell temperature within 10~40°C to consider, out of such temp. range will cause a derating on operation current.



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