EASYWAY
ENERGY

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

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Lithium Battery

Modular Stackable Series(HV)



Specification

MODEL		UNIV-HV ST15k	UNIV-HV ST23k	UNIV-HV ST31k
Battery Module		2	3	4
BATTERY PARAMETERS				
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*408*450	660*553*450	660*553*450
Weight (KG)		154	216	278
BMS Features		Over-voltage & Over-current Protection/Short-circuit Protection Low-voltage Protection/Over Temperature Protection/Cell Balance		
Communication		CAN/RS485		
OPERATING CONDITION				
Operation Temperature	Charge	0°C ~ 55°C (32°F ~ 131°F)		
	Discharge	-20°C ~ 60°C (-4°F ~ 140°F)		
Storage Temperature		-20°C ~50°C (-4°F ~122°F)		
IP Rating		IP20		
Installation Type		Stack		
Cooling Type		Natural		
Operating Environment		Indoor (5% ~ 95%(RH) No Condensing)		
Altitude		≤4000 m		
CERTIFICATION AND SAFETY				
Warranty		10 Years		
Operation Life		15+ Years (25°C/77 °F)		
Cycle Life		≥8000@25℃		
Certification		CE/Cell UL 1973		
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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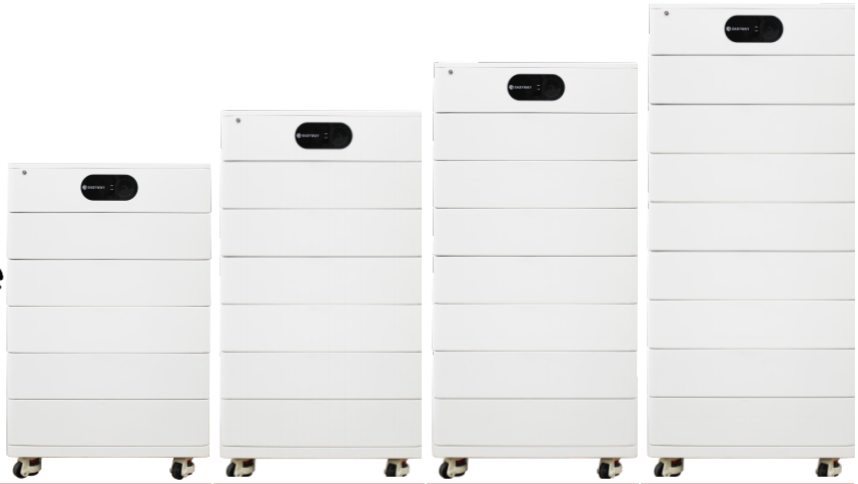

Specification

MODEL		UNIV-HV ST38k	UNIV-HV ST46k	UNIV-HV ST54k	UNIV-HV ST61k
Battery Module		5	6	7	8
BATTERY PARAMETERS					
Total Energy (kWh)		38.4	46.08	53.76	61.44
Useable Energy (kWh)		36.10	43.32	50.53	57.75
Nominal Voltage (Vd.c)		384	460.8	537.6	614.4
Voltage Range (Vd.c)		336 ~ 432	403.2 ~ 518.4	470.4 ~ 604.8	537.6 ~ 691.2
Rated Capacity (Ah)		100			
Recommend Current (A)	Charge	50			
	Discharge	50			
Depth of Discharge (DOD)		90%			
Dimension (W *H* D) (mm)		660*843*450	660*988*450	660*1133*450	660*1278*450
Weight (KG)		340	402	464	526
BMS Features		Over-voltage & Over-current Protection/Short-circuit Protection Low-voltage Protection/Over Temperature Protection/Cell Balance			
Communication		CAN/RS485			
OPERATING CONDITION					
Operation Temperature	Charge	0°C ~ 55°C (32°F ~ 131°F)			
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