

Lithium Iron Phosphate (LiFePO₄) Battery Pack High Voltage Series

UNIV High-voltage batteries feature higher energy density, storing significant electrical energy in a compact, lightweight form. They deliver higher voltage output, reducing current and energy loss for improved efficiency. Moreover, these batteries offer a longer lifespan, decreasing replacement frequency and maintenance costs. Additionally, the system increases voltage and capacity through module series connection to meet customer needs. Each battery pack includes an Intelligent Battery Control Unit, ensuring safe and efficient operation.

Features And Advantages



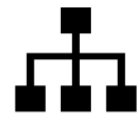
Simple Installation
Design



WaterProofing



24/7 online service



Superior BMS with
Brand Battery Cell



Large Capacity
range :
15kWh—61kWh



Wide Compatibility

Lithium Iron Phosphate (LiFePO₄) Battery

Modular Stackable Series(HV)



Specification

MODEL	UNIV-HV ST15k	UNIV-HV ST23k	UNIV-HV ST31k
Component	2*Modules 1*Control Box 1*Base	3*Modules 1*Control Box 1*Base	4*Modules 1*Control Box 1*Base

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		
Recommend Using 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		HP		
Communication		CAN/RS485		

OPERATING CONDITION				
Operation Temperature	Charge	0°C ~ 55°C (32°F ~ 131°F)		
	Discharge	-20°C ~ 55°C (-4°F ~ 131°F)		
Storage Temperature		-20°C ~ 55°C (-4°F ~ 131°F)		
IP Rating		IP65		
Installation Type		Stackable		
Cooling Type		Natural		
Operating Environment		Indoor (5% ~ 95%(RH) No Condensing)		
Altitude		≤2000 m		

CERTIFICATION AND				
Warranty		10 Years		
Operation Life		15+ Years (25°C/77 °F)		
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.

Lithium Iron Phosphate (LiFePO₄) Battery

Modular Stackable Series(HV)



Specification

MODEL	UNIV-HV ST38k	UNIV-HV ST46k	UNIV-HV ST54k	UNIV-HV ST62k
Component	5*Modules 1*Control Box 1*Base	6*Modules 1*Control Box 1*Base	7*Modules 1*Control Box 1*Base	8*Modules 1*Control Box 1*Base

BATTERY PARAMETERS		UNIV-HV ST38k	UNIV-HV ST46k	UNIV-HV ST54k	UNIV-HV ST62k
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			
Recommend Using DOD		90%			
Dimension (W *H* D) (mm)		660*985*450	660*1130*450	660*1275*450	660*1420*450
Weight (KG)		343	406	469	532
BMS Features		Over-voltage & Over-current Protection/Short-circuit Protection Low-voltage Protection/Over Temperature Protection/Cell Balance			
Model		HP			
Communication		CAN/RS485			

OPERATING CONDITION		UNIV-HV ST38k	UNIV-HV ST46k	UNIV-HV ST54k	UNIV-HV ST62k
Operation Temperature	Charge	0°C ~ 55°C (32°F ~ 131°F)			
	Discharge	-20°C ~ 55°C (-4°F ~ 131°F)			
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IP Rating		IP65			
Installation Type		Stackable			
Cooling Type		Natural			
Operating Environment		Indoor (5% ~ 95%(RH) No Condensing)			
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CERTIFICATION AND SAFETY		UNIV-HV ST38k	UNIV-HV ST46k	UNIV-HV ST54k	UNIV-HV ST62k
Warranty		10 Years			
Operation Life		15+ Years (25°C/77 °F)			
Certification		CE/Cell UL 1973/IEC62619			
Transportation Certification		UN38.3/MSDS			

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