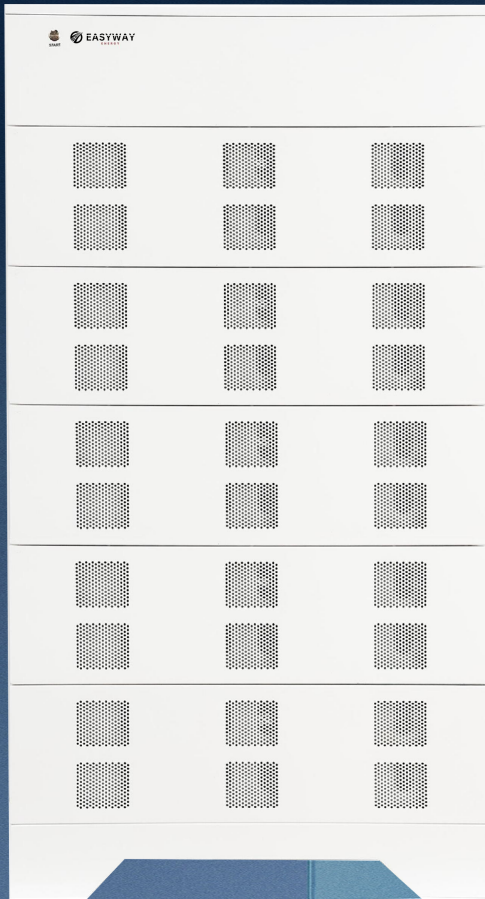


UNIV-16kWh(H)



UNIV-16kWh(H) is a high-voltage product and a residential energy storage battery. It supports 15 stacked units with capacities ranging from 16 kWh to 241 kWh. This product has a fire-extinguishing function, which can eliminate the risk of fire and ensure the safety of the house.

Features And Advantages



24/7 online service



Wide Compatibility



Simple Installation
Design



Superior BMS with
Brand Battery Cell



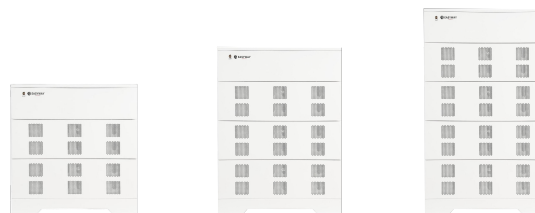
Commercial
Back up Choice



Large Capacity range :
16kWh—241kWh

Lithium Battery

Modular Stackable Series(HV)



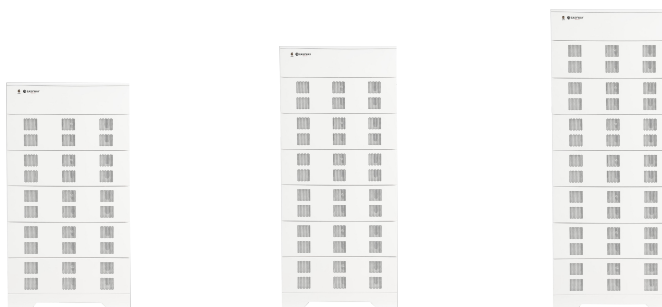
Specification

MODEL	1*Module	UNIV-HV ST32k	UNIV-HV ST48k	UNIV-HV ST64k	
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)		16.08	32.15	48.23	64.31
Useable Energy (kWh)		15.11	30.22	45.34	60.45
Nominal Voltage (Vd.c)		51.2	102.4	153.6	204.8
Voltage Range (Vd.c)		44.8 ~ 57.6	89.6 ~ 115.2	134.4 ~ 172.8	179.2 ~ 230.4
Rated Capacity (Ah)		314	314	314	314
Recommend Current (A)	Charge	157	157	157	157
	Discharge	157	157	157	157
Depth of Discharge (DOD)		90%			
Dimension (W *H* D) (mm)		770*228*420	770*772*420	770*1000*420	770*1228*420
Weight (KG)		112	251	363	475
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℃ ~ 55℃ (32°F ~ 131°F)			
	Discharge	-20℃ ~ 55℃ (-4°F ~ 131°F)			
Storage Temperature		-20℃ ~ 55℃ (-4°F ~ 131°F)			
IP Rating		IP20			
Installation Type		Stack			
Cooling Type		Fan cooling			
Operating Environment		Indoor (5% ~ 95%(RH) No Condensing)			
Altitude		≤2000 m			
CERTIFICATION AND SAFETY					
Warranty		10 Years			
Operation Life		15+ Years (25℃/77 °F)			
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℃ to consider, out of such temp. range will cause a derating on operation current.

Lithium Battery

Modular Stackable Series(HV)



Specification

MODEL		UNIV-HV ST80k	UNIV-HV ST96k	UNIV-HV ST112k
Component		5*Modules 1*Control Box 1*Base	6*Modules 1*Control Box 1*Base	7*Modules 1*Control Box 1*Base
BATTERY PARAMETERS				
Total Energy (kWh)		80.38	96.46	112.54
Useable Energy (kWh)		75.56	90.67	105.79
Nominal Voltage (Vd.c)		256.0	307.2	358.4
Voltage Range (Vd.c)		224 ~ 288	268.8 ~ 345.6	313.6 ~ 403.2
Rated Capacity (Ah)		314	314	314
Recommend Current (A)	Charge	157	157	157
	Discharge	157	157	157
Depth of Discharge (DOD)		90%		
Dimension (W *H* D) (mm)		770*1456*420	770*1684*420	770*1912*420
Weight (KG)		587	699	811
BMS Features		Over-voltage & Over-current Protection/Short -circuit Protection		
		Low-voltage Protection/Over Temperature Protection/Cell Balance		
Communication		CAN/RS485		
OPERATING CONDITION				
Operation	Charge	0℃ ~ 55℃ (32°F ~ 131°F)		
Temperature	Discharge	-20℃ ~ 55℃ (-4°F ~ 131°F)		
Storage Temperature		-20℃ ~ 55℃ (-4°F ~ 131°F)		
IP Rating		IP20		
Installation Type		Stack		
Cooling Type		Fan cooling		
Operating Environment		Indoor (5% ~ 95%(RH) No Condensing)		
Altitude		≤2000 m		
CERTIFICATION AND SAFETY				
Warranty		10 Years		
Operation Life		15+ Years (25℃/77 °F)		
Certification		CE/Cell UL 1973		
Transportation Certification		UN38.3/MSDS		

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Lithium Battery

Modular Stackable Series(HV)

Specification

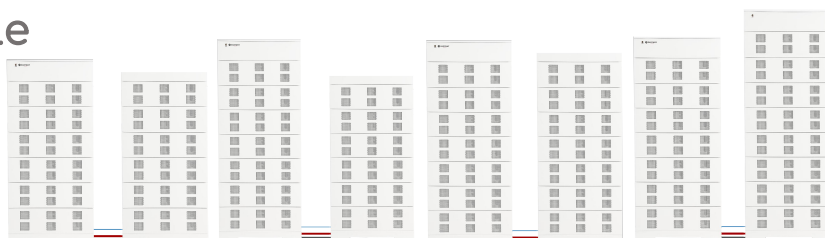


MODEL		UNIV-HV ST128k	UNIV-HV ST144k	UNIV-HV ST160k	UNIV-HV ST176k
Component		8*Modules 1*Control Box 2*Base	9*Modules 1*Control Box 2*Base	10*Modules 1*Control Box 2*Base	11*Modules 1*Control Box 2*Base
BATTERY PARAMETERS					
Total Energy (kWh)		128.61	144.69	160.77	176.84
Useable Energy (kWh)		120.90	136.01	151.12	166.23
Nominal Voltage (Vd.c)		409.6	460.8	512	563.2
Voltage Range (Vd.c)		358.4 ~ 460.8	403.2 ~ 518.4	448 ~ 576	492.8 ~ 633.6
Rated Capacity (Ah)		314	314	314	314
Recommend Current (A)	Charge	157	157	157	157
	Discharge	157	157	157	157
Depth of Discharge (DOD)		90%			
Dimension (W *H* D) (mm)		770*1228*420	770*1456*420	770*1456*420	770*1684*420
		770*1042*420	770*1042*420	770*1270*420	770*1270*420
Weight (KG)		941	1053	1165	1277
BMS Features		Over-voltage & Over-current Protection/Short -circuit Protection Low-voltage Protection/Over Temperature Protection/Cell Balance			
Model		HB			
Communication		CAN/RS485			
OPERATING CONDITION					
Operation Temperature	Charge	0℃ ~ 55℃ (32°F ~ 131°F)			
	Discharge	-20℃ ~ 55℃ (-4°F ~ 131°F)			
Storage Temperature		-20℃ ~ 55℃ (-4°F ~ 131°F)			
IP Rating		IP20			
Installation Type		Stack			
Cooling Type		Fan cooling			
Operating Environment		Indoor (5% ~ 95%(RH) No Condensing)			
Altitude		≤2000 m			
CERTIFICATION AND SAFETY					
Warranty		10 Years			
Operation Life		15+ Years (25℃/77 °F)			
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℃ to consider, out of such temp. range will cause a derating on operation current.

Lithium Battery

Modular Stackable Series(HV)



Specification

MODEL		UNIV-HV ST192k	UNIV-HV ST209k	UNIV-HV ST225k	UNIV-HV ST241k
Component		12*Modules 1*Control Box 2*Base	13*Modules 1*Control Box 2*Base	14*Modules 1*Control Box 2*Base	15*Modules 1*Control Box 2*Base
BATTERY PARAMETERS					
Total Energy (kWh)		192.92	209.00	225.08	241.15
Useable Energy (kWh)		181.35	196.46	211.57	226.68
Nominal Voltage (Vd.c)		614.4	665.6	716.8	768
Voltage Range (Vd.c)		537.6 ~ 691.2	582.4 ~ 748.8	627.2 ~ 806.4	672 ~ 864
Rated Capacity (Ah)		314	314	314	314
Recommend Current (A)	Charge	157	157	157	157
	Discharge	157	157	157	157
Depth of Discharge (DOD)		90%			
Dimension (W *H* D) (mm)		770*1684*420	770*1912*420	770*1912*420	770*1912*420
		770*1498*420	770*1498*420	770*1726*420	770*1954*420
Weight (KG)		1389	1501	1613	1725
BMS Features		Over-voltage & Over-current Protection/Short -circuit Protection Low-voltage Protection/Over Temperature Protection/Cell Balance			
Model		HB			
Communication		CAN/RS485			
OPERATING CONDITION					
Operation Temperature	Charge	0℃ ~ 55℃ (32°F ~ 131°F)			
	Discharge	-20℃ ~ 55℃ (-4°F ~ 131°F)			
Storage Temperature		-20℃ ~ 55℃ (-4°F ~ 131°F)			
IP Rating		IP20			
Installation Type		Stack			
Cooling Type		Fan cooling			
Operating Environment		Indoor (5% ~ 95%(RH) No Condensing)			
Altitude		≤2000 m			
CERTIFICATION AND SAFETY					
Warranty		10 Years			
Operation Life		15+ Years (25°C/77 °F)			
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℃ to consider, out of such temp. range will cause a derating on operation current.