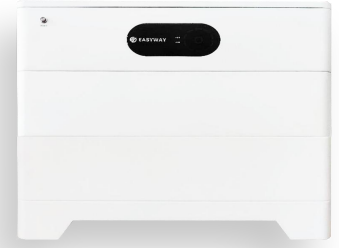


Lithium Battery

Modular Stackable Series(HV)



Specification

MODEL	1*Module
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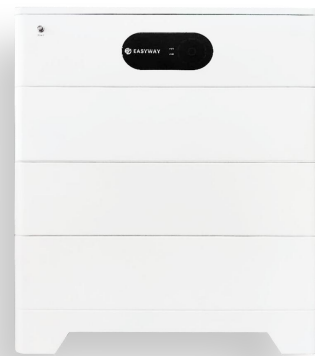
Component

BATTERY PARAMETERS		
Total Energy (kWh)	7.68	
Useable Energy (kWh)	7.22	
Nominal Voltage (Vd.c)	76.8	
Voltage Range (Vd.c)	67.2 ~ 86.4	
Rated Capacity (Ah)	100	
Recommend Current (A)	Charge	50
	Discharge	50
Depth of Discharge (DOD)	90%	
Dimension (W *H* D) (mm)	660*145*450	
Weight (KG)	62	
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	15°C ~ 35°C (59°F ~ 95°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°C, 80%DOD	
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.

Lithium Battery

Modular Stackable Series(HV)



Specification

MODEL		UNIV-HV ST23k
Component		3*Modules 1*Control Box 1*Base
BATTERY PARAMETERS		
Total Energy (kWh)		23.04
Useable Energy (kWh)		21.66
Nominal Voltage (Vd.c)		230.4
Voltage Range (Vd.c)		201.6 ~ 259.2
Rated Capacity (Ah)		100
Recommend Current (A)	Charge	50
	Discharge	50
Depth of Discharge (DOD)		90%
Dimension (W *H* D) (mm)		660*553*450
Weight (KG)		205
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		15°C ~ 35°C (59°F ~ 95°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°C, 80%DOD
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.

Lithium Battery

Modular Stackable Series(HV)



Specification

MODEL	UNIV-HV ST31k
Component	4*Modules 1*Control Box 1*Base

BATTERY PARAMETERS

Total Energy (kWh)	30.72	
Useable Energy (kWh)	28.88	
Nominal Voltage (Vd.c)	307.2	
Voltage Range (Vd.c)	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*698*450	
Weight (KG)	267	
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		15°C ~ 35°C (59°F ~ 95°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°C, 80%DOD
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.

Lithium Battery

Modular Stackable Series(HV)



Specification

MODEL	UNIV-HV ST38k
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Component

5*Modules
1*Control Box
1*Base

BATTERY PARAMETERS

Total Energy (kWh)	38.4	
Useable Energy (kWh)	36.10	
Nominal Voltage (Vd.c)	384	
Voltage Range (Vd.c)	336 ~ 432	
Rated Capacity (Ah)	100	
Recommend Current (A)	Charge	50
	Discharge	50
Depth of Discharge (DOD)	90%	
Dimension (W *H* D) (mm)	660*843*450	
Weight (KG)	329	
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		15°C ~ 35°C (59°F ~ 95°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°C, 80%DOD
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.

Lithium Battery

Modular Stackable Series(HV)



Specification

MODEL	UNIV-HV ST46k
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Component

6*Modules
1*Control Box
1*Base

BATTERY PARAMETERS

Total Energy (kWh)	46.08	
Useable Energy (kWh)	43.32	
Nominal Voltage (Vd.c)	460.8	
Voltage Range (Vd.c)	403.2 ~ 518.4	
Rated Capacity (Ah)	100	
Recommend Current (A)	Charge	50
	Discharge	50
Depth of Discharge (DOD)	90%	
Dimension (W *H* D) (mm)	660*988*450	
Weight (KG)	391	
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		15°C ~ 35°C (59°F ~ 95°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°C, 80%DOD
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.

Lithium Battery

Modular Stackable Series(HV)



Specification

MODEL	UNIV-HV ST54k
Component	7*Modules 1*Control Box 1*Base

BATTERY PARAMETERS

Total Energy (kWh)	53.76	
Useable Energy (kWh)	50.53	
Nominal Voltage (Vd.c)	537.6	
Voltage Range (Vd.c)	470.4 ~ 604.8	
Rated Capacity (Ah)	100	
Recommend Current (A)	Charge	50
	Discharge	50
Depth of Discharge (DOD)	90%	
Dimension (W *H* D) (mm)	660*1133*450	
Weight (KG)	453	
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		15°C ~ 35°C (59°F ~ 95°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°C, 80%DOD
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.

Lithium Battery

Modular Stackable Series(HV)



Specification

MODEL	UNIV-HV ST62k
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Component

8*Modules
1*Control Box
1*Base

BATTERY PARAMETERS

Total Energy (kWh)	61.44	
Useable Energy (kWh)	57.75	
Nominal Voltage (Vd.c)	614.4	
Voltage Range (Vd.c)	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*1278*450	
Weight (KG)	515	
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		15°C ~ 35°C (59°F ~ 95°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°C, 80%DOD
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.