

HV12

HIGH VOLTAGE STORAGE BATTERY



- Scalable to 46.08kWh
- 90% Depth of Discharge
- Floor or Wall Mounting
- Compact & Easy Installation
- IP65 Protection Level
- High Voltage and High Efficiency



Safety
Reliable



Easy
Installation



High
Efficiency



Expandable
System



90%
DOD

The HV12 is a high-performance, scalable battery storage system, allows for maximum flexibility, making it suitable for a broad range of storage applications.

Additional batteries can be installed in parallel allowing for a maximum storage capacity of 46.08kWh

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*Feature to be upgraded in the future. (T&C Apply)

Technical Specifications



Model	Li-12KHV
ELECTRICAL CHARACTERISTICS	
Compatible PCS	All Series of SYH
Battery Type	LFP (LiFePO ₄)
Nominal Energy [kWh]	11.52
Nominal Voltage [V]	384
Operating Voltage [V]	348 ~ 438
Max.Charge/Discharge Current [A]*1	30
Recommend Charge Current [A]	15
Peak Discharge Current [A]	65 @60s
Peak Charge Current [A]	36 @5s
Battery Pack Round-Trip Efficiency [%]	≥95
Depth of Discharge [%]	90
Communicatton	CAN
Display	LED*5
Scalability	Max. 4 Units in Parallel
OPERATING CONDITIONS	
Installation Location	Outdoor/ Indoor
Operating Temperature [°C]	Charge: 0 ~ 55 Discharge: -10 ~ 55
Storage Temperature [°C]	-10 ~ 40
Cooling Method	Natural Convection
Humidity [%]	5 ~ 95 (No Condensation)
Altitude [m]	Max. 3,000
PROTECTION	
Fire Protection Function	YES
Warming Function	Optional
MECHANICAL CHARACTERISTICS	
Dimensions (W*H*D) [mm]	710*640*185
Weight [kg]	98
Warranty	6000 lifecycle @25 degree
CERTIFICATES	
Safety	IEC62619
IEC/BIS	EN IEC 61000-6-1/2/3/4 / IS 16270:2023
Transportation	UN38.3
Ingress Protection	IP65