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Website

GENIXGREEN

HV-BOX6-Series

Energy storage system

- Modular stackable design
- 7.02kWh high capacity per unit
- 2-10 units scalable
- Flexible and efficient installation



Product Features:



Sleek design,
effortless installation



Supports up to 650V systems
for higher conversion efficiency



IP65
protection rating



Supports up to 10 clusters in parallel
(For setups over 4 clusters, please
contact our technical team for solution support.)



Flexible stacking with
auto-adaptive
BMS for seamless configuration



Cloud-based real-time balancing technology
significantly extends service life,
backed by a **10-year** warranty

HV-BOX6-Series



Product Model		HV-BOX6-Series								
Main Parameter										
Battery Type		LiFePO4								
Module Energy (kWh)		7.02								
Module Nominal Voltage(V)		57.6								
Rated Energy(Ah)		122								
Number Of Modules Connected In Series (Optional)		2	3	4	5	6	7	8	9	10
System Rated Voltage(V)		115.2	172.8	230.4	288	345.6	403.2	460.8	518.4	576
System operating voltage (V)	Charging voltage	129.6	194.4	259.2	324	388.8	453.6	518.4	583.2	648
	Discharge voltage	100.8	151.2	201.6	252	302.4	352.8	403.2	453.6	504
System Nominal Energy (kWh)		14.04	21.06	28.08	35.1	42.12	49.14	56.16	63.18	70.2
System Discharge Energy (kWh)		14.04	21.06	28.08	35.1	42.12	49.14	56.16	63.18	70.2
Charging/ Discharging Current (A)	Rated Current	36								
	Max. Current	50 (Charge/discharge performance decreases at high temperatures)								
	Overload Current	59(10 sec,25°C)								
Communication Protocol		CAN2.0								
Working Temperature Range (°C)		Charge: 0~ 50/Discharge: -10 ~ 55								
Working Humidity Range		≤95%(No condensation)								
Working Altitude		≤2000m								
System Cooling Method		Passive Cooling								
Protection Grade		IP65								
Installation Location		Indoor/Outdoor								
Weight(kg)		138	198	258	318	378	438	498	558	618
Max.Dimension(W*D*Hmm)		660*400*532	660*400*682	660*400*832	660*400*982	660*400*1132	660*400*1282	660*400*1432	660*400*1582	660*400*1732
Storage Temperature(°C)		25~35								
Recommended Discharge Depth		90%								
Cycle Life		≥8000 Cycles (25°C±2°C, 0.5C, 80%DOD@65%EOL)								
Certification		Cell UL1973/UL9540A/TUV/CE/UN38.3								
Warranty		10 Years(Under Warranty Terms)								
Energy Throughput ^①		62MWh	92MWh	122MWh	152MWh	184MWh	216MWh	266MWh	276MWh	308MWh

[1] Conditions apply, refer to GENIXGREEN warranty letter.

HV-BOX6-Series



Model	HV-BOX6-PDU 1000VDC100A(WIFI)
Working Voltage Range	80~1000Vdc
Rated Charging/Discharging Current	36A
Max. Charging/Discharging Current	50A
Operating Temperature Range	Charge: 0~ 50/ Discharge: -10 ~ 55°C
Waterproof Rating	IP65
Dimension(W*D*H)	660*400*165mm
Weight	≈18kg
Parallel Operation	Support
Status Indicator	Green: Battery System Operating Status Red: Battery System Fault Status



Module	HV-BOX6-18S122A
Battery Type	LiFePO4(LFP)
Rated Voltage	57.6Vdc
Rated Energy Capacity	122Ah
Rated Energy	7.02kWh
Rated Charging/Discharging Current	36A
Max. Charging/Discharging Current	50A
Operating Temperature Range	Charge: 0~ 50/ Discharge: -10 ~ 55°C
Waterproof Rating	IP65
Dimension(W*D*H)	660*400*187mm
Weight	≈60kg



PS: This energy storage product is designed for indoor use and supports parallel connection (up to 4 battery clusters). Parallel operation requires industrial air conditioners that match the PCS and battery output power for proper heat dissipation. Parallel connection is strictly prohibited without suitable cooling systems. (It must also be used with dedicated BMS control software, and the cooling capacity must meet system output requirements. Please contact our technical team for confirmation and guidance before any upgrade or parallel operation. Unauthorized paralleleling is strictly forbidden and may cause serious safety risks.) The system is shipped by default without parallel functionality. <When the system operates in parallel with 2 to 4 clusters, it supports 0.3C charging and discharging by default. To achieve 0.5C current charging and discharging, it must be on the premise that the heat dissipation conditions meet the design requirements. Any parallel operation with more than 4 clusters is classified as special operating conditions, which must be intervened and handled by our technical personnel. Unauthorized operation is strictly prohibited.>

Application scenarios

