

TECHNOLOGY LUSTER LIFE



G-CUBE 96kWh Outdoor Energy Storage System

Product introduction

High Energy Density (96kWh): Large-capacity design meets long-duration energy storage needs, reducing the number of devices required.

Outdoor Protection (IP55): Waterproof and dustproof, suitable for various outdoor environments.

Integrated Design: Combines battery modules, BMS, temperature control, and more, enabling easy installation and space-saving.

Recommended Application Order: PV System Energy Storage; Commercial Peak Shaving; Premium Residential Energy Independence.

Product Features



Support 4-6PCS battery modules connected in series, flexible extension



OTA Remote upgrade, simple maintenance



Intelligently identify the master-slave batteries without DIP address



Compact design to meet the needs of various scenarios, easy to transport and install



Easy connection for WiFi remotely monitoring system anytime and anywhere



Adopt advanced BMS algorithms and use Cloud to achieve BMS 2A full-time balancing which can ensure battery product SOC calculation is more accurate



BMS uses Cloud to achieve remote real time balance and increases the battery pack cycles performance so that the battery can be guaranteed for more than 10 years



When more than 2 clusters are connected in parallel, there is no need an extra Combiner BOX. Direct connection reduces installation costs and equipment costs

Model G-CUBE 96kWh

Main Parameters

Battery type	LiFePO4		
Module nominal energy(kWh)	16		
Module minimum energy (kWh)	15.5		
Module nominal voltage(V)	76.8		
Rated capacity(Ah)	206		
No. of System module series connections(optional)	4	5	6
Rated Voltage of the system(V)	307.2	384	460.8
System working voltage(V)	268.8~345.6	336~432	403.2~518.4
System nominal energy(kWh)	64	80	96
Minimum discharge energy of the system (kWh)	60.74	75.93	91.12
Charge / Discharge current(A)	Rated Current	120	
	Max. Current	130	
	Overload Current	150(10sec,25°C)	
Status indicator light	Blue:Battery system starts status;Green:Battery system operation status; Red: Battery system fault status		
Communication Protocol	CAN2.0		
Working temperature range(°C)	-10 ~ 50		
Working humidity range	≤95% (No Condensation)		
Working Altitude	≤2000m		
System Cooling Method	Fan cooling		
Waterproof Grade	IP55		
Installation Place	Outdoor		
Net Weight(kg)	1100	1225	1350
Dimension (mm)	1079*1166*2157		
Storage Temperature(°C)	0~35		
Recommended Discharge Depth	90%		
System Composition	BMS management system, fire protection system, air-cooled unit, cabinet, PCS system		
Cycle Life	≥8000 Cycles (25°C±2°C, 0.5C, 80%DOD@65%EOL)		
Certification	Cell: UL1973/IEC62619/CE/ROHS/MSDS/UN38.3		
Warranty	5 Years(Under Warranty Terms)		
Energy Throughput ⁽¹⁾	133MWh	166MWh	200MWh

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

This product is compatible with 50kW inverters: Deye, Solis, Solinteg, Growatt, Megarevo and Sosen.



Model HV-PDU 1000VDC150A(WIFI)

Working voltage	250~1000Vdc
Rated charge/discharge current	120A
Max charge/discharge current	130A
Working temperature range	-10~50 C
Waterproof grade	IP20
Weight	≈28kg
Dimension(Wide*Depth*High)	558*695*235mm



Model HV-Tower-76.8V206Ah

Battery type	LiFePO4(LFP)
Rated voltage	76.8Vdc
Rated capacity	206Ah
Rated energy	16kWh
Rated charge/discharge current	120A
Max charge/discharge current	130A
Working temperature range	-10~50 C
Waterproof grade	IP20
Weight	≈125kg
Dimension(Wide*Depth*High)	559*690*235mm



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 paralleling is strictly forbidden and may cause serious safety risks.) The system is shipped by default without parallel functionality. <When operating in 2~4 cluster parallel mode, maintaining 0.5C charge/discharge current is only permitted if cooling conditions meet the design requirements. Any parallel operation involving more than 4 clusters is considered a special condition and must be handled under direct guidance from our technical engineers. Unauthorized operation is strictly prohibited.>

*The selected inverter model must be compatible with the voltage range of this product.

