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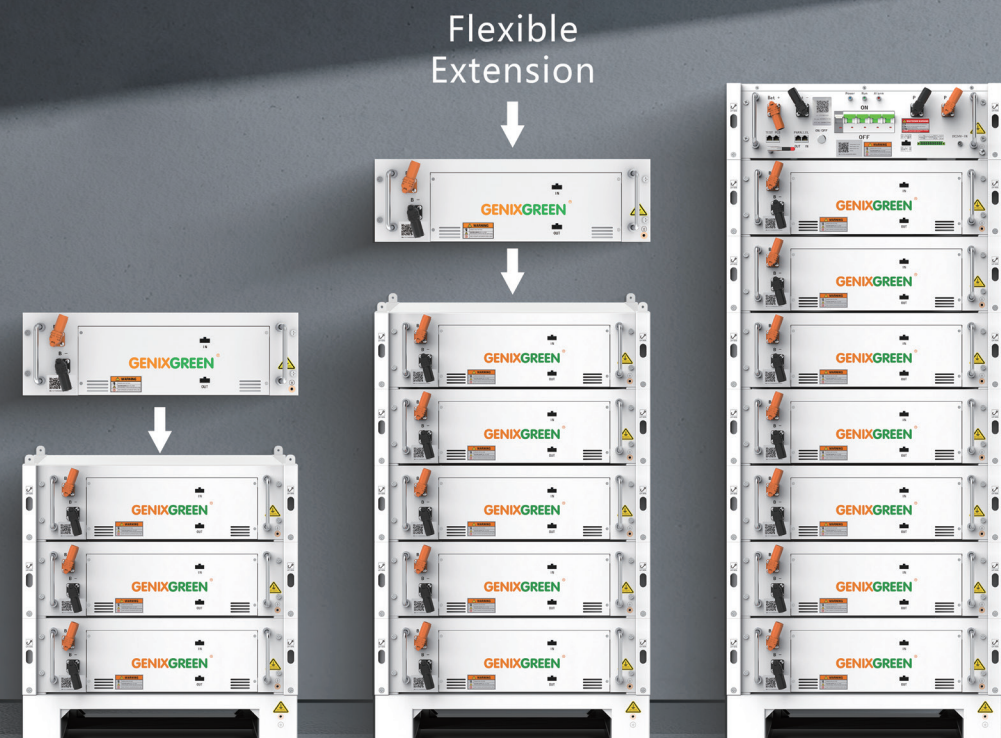


Website

GENIXGREEN®

Tower-X-HV-716V100kWh

High Voltage Stackable Energy Storage System



Tower-X-HV-716V100Ah features a modular design, combining lithium iron phosphate batteries, high voltage control box, intelligent BMS,natural cooling system,ect. It boasts safety, reliability, rapid deployment, cost-efficiency, high energy efficiency, and intelligent management.

Product Features:



Support 3-7PCS battery modules connected in series, flexible extension



Support 4 clusters in parallel to get more energy



OTA Remote upgrade, simple maintenance



Intelligently identify the master-slave batteries without DIP address



Support Max. 1C charge & discharge



Easy connection for WiFi remotely monitoring system anytime and anywhere



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



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



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

Magic 61kWh/71kWh



Product Model		Tower-X-HV-Series				
Main Parameter						
Battery Type		LiFePO4				
Module Power(kWh)		10.24				
Module Nominal Voltage(V)		102.4				
Rated Energy(Ah)		100				
No Of System Module Series Connections (Optional)		3	4	5	6	7
System Rated Voltage(V)		307.2	409.6	512	614.4	716.8
System Operation Voltage(V)		268.8	358.4	448	537.6	672.2
		~345.6	~460.8	~576	~691.2	~806.4
System Rated Power(kWh)		30.72	40.96	51.2	61.44	71.68
System Discharge Power(kWh)		29.49	39.32	49.15	58.98	68.81
Charge/Discharge Current(A)	Rated Current	50				
	Max. Current	100				
	Overload Current	115(10sec,25°C)				
Status Indicator Light		Blue: battery system start status, Green: battery system running status, Red: battery system fault status				
Communication Protocol		CAN2.0				
Working Temperature Range		-10 ~ 55				
Working Humidity Range		≤95% (No condensation)				
Working Altitude		≤2000m				
System Cooling Method		Fan cooling				
Waterproof Grade		IP20				
Installation Location		Indoor				
Net Weight (kg)		310	400	490	580	670
Dimensions (mm)		577*800*740	577*800*900	577*800*1060	577*800*1220	577*800*1380
Storage Temperature		0~35				
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		5 Years(Under Warranty Terms)				
Energy Throughput ^[1]		67MWh	89MWh	112MWh	134MWh	156MWh

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

Magic 61kWh/71kWh



PDU	HV-PDU 1000VDC100A(WIFI) (A07)
Operating Voltage	250~1000Vdc
Rated Charge/Discharge Current	50A
Max. Charge/Discharge Current	100A
Operating Temperature Range	-10°C~55°C
Waterproof Rating	IP20
Dimension(Wide*Depth*High)	517*745*155mm
Weight	≈22kg
Parallel Connection	Support

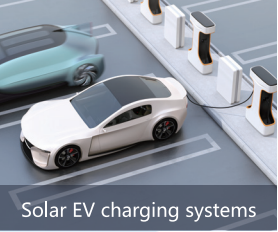


Module	HV-Tower-32S100A
Battery Type	LiFePO4(LFP)
Rated Voltage	102.4Vdc
Rated Capacity	100Ah
Rated Energy	10.24kWh
Rated Charge/Discharge Current	50A
Max. Charge/Discharge Current	100A
Operating Temperature Range	-10~55 C
Waterproof Rating	IP20
Dimensions (W × D × H)	517*745*155mm
Weight	≈88kg



PS: This energy storage system is designed for indoor energy storage applications and supports multi-cluster parallel operation. However, the parallel operation function must be used together with an industrial air-conditioning system whose cooling capacity matches the PCS power and the battery operating power for heat dissipation. Parallel operation is prohibited if an industrial air conditioner with matching cooling capacity is not installed. Parallel operation also requires the use of dedicated BMS control software. Please refer to the Parallel Operation Manual for detailed instructions. For the above technical requirements, please contact our company's technical personnel for confirmation. System upgrades and parallel operation may only be carried out under the guidance of our technical team after proper communication and approval. Unauthorized parallel operation is strictly prohibited, as it may result in serious safety accidents. <Systems operating with 2 to 4 clusters in parallel may maintain 0.5C charge and discharge current only when the cooling conditions meet the system's thermal design requirements. Any parallel configuration exceeding 4 clusters is considered a special operating condition and must be handled by our technical personnel. Unauthorized operation is strictly prohibited.> The selected inverter model must be compatible with the voltage range of this product. The system is configured with 7 energy storage modules, with a rated operating voltage range of 300V~900V DC. If Deye-brand inverters are used, the inverter must be selected according to the number of stacked modules as follows: When 6 modules or fewer are stacked: A Deye 50kW inverter may be selected. The inverter's maximum DC input voltage is 800V, and the total module voltage must not exceed this limit. When all 7 modules are stacked: A Deye 80kW inverter must be selected. The inverter's maximum DC input voltage is 1000V, which fully covers the total voltage range of the modules. Safety Warning: System overvoltage operation is strictly prohibited. The inverter selection must be strictly matched with the actual number of stacked modules and the total system voltage.

Application scenarios



Solar EV charging systems



High powered industry



Residential complexes



Commercial centers