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GENIXGREEN

Tower-x-HV-768V206Ah

High Voltage Stackable Energy Storage System

Product introduction

Tower-X-HV-768V206Ah:
A high-performance modular energy storage solution designed for small & medium commercial and premium residential applications, delivering safe and reliable energy storage and optimization through intelligent management and efficient design.



Product Features:



Smart Control

Advanced BMS with real-time monitoring and remote management
CAN 2.0 communication protocol for transparent data control



Flexible Architecture

4-6 module flexible configuration (64-96kWh capacity range)
Modular design saves installation space



High Efficiency & Reliability

460V high-voltage architecture reduces transmission loss
8,000 cycle life ensures long-term value
Multiple protection mechanisms (overcharge/discharge/current)



Typical Applications

Commercial peak shaving
Premium residential energy independence
PV system energy storage

Tower-X-HV-768V206Ah



ModelTower-X-HV-768V206Ah							
Main parameter							
Battery Type		LiFePO4					
Module Nominal Energy(kWh)		16					
Mini. Energy Of Module (kWh)		15.5					
Module Nominal Voltage (V)		76.8					
Rated Capacity(Ah)		206					
No. Of System Module Series Connections (Optional)		4	5	6	7	8	910
Rated Voltage Of the System(V)		307.2	384	460.8	537.6	614.4	691.2768
System Working Voltage(V)		268.8~345.6	336~432	403.2~518.4	470.4~604.8	537.6~691.2	604.8~777.6672~864
System Nominal Energy(kWh)		64	80	96	112	128	144160
Mini. Discharge Energy Of The System (kWh)		60.74	75.93	91.12	106.3	121.5	136.69151.87
Charge/Discharge Current(A)	Rated Current	120					
	Max. Current	130					
	Overload Current	150(10sec,25°C)					
Status Indicator Light		Blue: Battery system start status, green: Battery system operation status, Red:Battery system fault status					
Communication Protocol		CAN2.0					
Operating Temperature Range (°C)		-10 ~ 55					
Operating Humidity Range		≤95% (No condensation)					
Operating Altitude		≤2000m					
System Cooling Method		Fan cooling					
Waterproof Rating		IP20					
Installation Place		Indoors					
Net Weight (kg)		≈1408					
Dimensions (mm)		1358*707*1555					
Storage Temperature(°C)		0~35					
Recommended Depth of Discharge (DOD)		90%					
Fire Protection System		Aerosol (optional)					
Cycle Life		≥8000 Cycles (25°C±2°C, 0.5C, 80%DOD@65%EOL)					
Warranty		5 Years(Under Warranty Terms)					
Energy Throughput ^①		133MWh	166MWh	200MWh	233MWh	266MWh	299MWh333MWh
Certification		Cell: UL1973/CE/ROHS/MSDS/UN38.3					

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

Tower-X-HV-768V206Ah



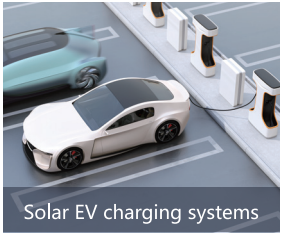
PDU	HV-PDU 1000VDC150A(WIFI)
Operating Voltage	250~1000Vdc
Rated Charge/Discharge Current	120A
Max. Charge/Discharge Current	130A
Operating Temperature Range	-10~ 55°C
Waterproof Rating	IP20
Weight	≈28kg
Dimension(Wide*Depth*High)	558*695*235mm
Parallel Operation	Support



Module	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
Operating Temperature Range	-10~ 55°C
Waterproof Rating	IP20
Dimensions (W × D × H)	559*690*235mm
Weight	≈135kg



Application scenarios



PS:This energy storage product is designed for indoor use and supports multi-cluster parallel operation. However, the parallel function must be paired with industrial air conditioning that matches the power of the PCS and the battery's operating power. Parallel operation without industrial air conditioning of matching power is strictly prohibited. Additionally, parallel operation requires the use of compatible BMS control software. For details, please refer to the parallel operation manual. For the above specific information, please contact our company's technical personnel. After communication and confirmation, upgrades and operational guidance can be provided. Unauthorized parallel operation is strictly prohibited, as this may lead to serious safety incidents (parallel operation of 2 battery clusters allows a maximum charge/discharge current of 0.5C, 3 clusters allow 0.5C, 4 clusters allow 0.5C, with a maximum support for 4 clusters in parallel).
*The selected inverter model must be compatible with this product's voltage range.