

160kWh+80kW High Voltage

Integrated Energy Storage Cabinet



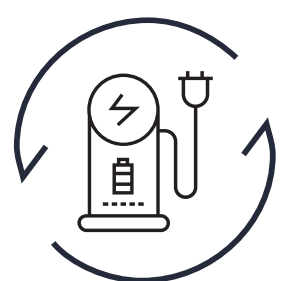
Product introduction

215kWh+100kW (Inverter features a modular design), combining lithium iron phosphate batteries, BMS, PCS, air-conditioning, temperature control, fire detection, and automatic suppression system. It boasts safety, reliability, rapid deployment, cost-efficiency, high energy efficiency, and intelligent management.

Product characteristics



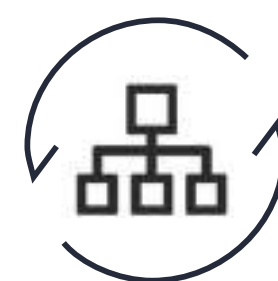
Safe and reliable
Longercyclelife



40KW vehicle
charging pile (optional)



Exquisite craftsmanship
Higher specific energy, more
environmentally friendly



Integrated design
Convenient installation
and higher efficiency



Smart and friendly
The parallelfunctionis
fast and convenient

160kWh+80kW High Voltage Integrated Energy Storage Cabinet



Model	HV-TOWER3-160kWh-80kW	Note
System parameter		
Battery Nominal Voltage	768VD C	Battery side
Battery Voltage Range	672V ~ 864VDC	Battery side
Battery System Configuration	240S 1P	Battery series and parallel connection mode
PCS Distribution Power	80kW	Matched inverter power
AC Output Terminal Voltage	400V@AC ± 5%	Output AC side
MPPT Power	80kW (250 - 850VDC)	Recommend Range
PV Input Range	250 - 850V/240A	Max. power 85kW
Nominal Capacity Of Battery System	144k Wh	
Dischargeable Capacity Of Battery System	≈ 200kWh	90% D OD
System Efficiency	≥ 90%@AC	
Dimension	1350*1053*2482+1080*1257*2482m m	Include air - conditioner size
Protection Grade	IP55	
Operating Temperature Range	- 20 ~ 50℃	
Operating Humidity Range	≤ 95% (No condensation)	
Maximum Working Altitude	2000m	
Cooling Method	Air - cooling	
Fire Suppression System	Aerosol	
System Communication Protocol	Modbus - RTU/TCP/CAN	
Certificate	Cell:UL1642 / IEC62619 / CE / ROHS / MSDS /UN38.3	
Cell Parameter		
Cell Type	Lithium Iron Phosphate (LiFePO4)	
Cell Nominal Voltage	3.2V	
Cell Nominal Energy	896Wh	
Rated Work Rate	0.5C	
Rated Work Current	140A	
Module Parameter		
Configuration	1P16S	
Module Nominal Voltage	51.2V	
Module Nominal Energy	14.34kWh	
Module Dimensions	420mm*790mm*238mm	
Net Weight	About 115KG	
Ac Side Parameters		
Sts Transfer Switch Power	240kW	
On&off Grid Time	≤20ms	
System Devices List		
Battery System	15 sets of battery module with shelf	
EMS Management System	1 set	
BMS Management System	1 set	
PCS With MPPT Controller	1 set	
Fire Suppression System	1 set	
Air-cooling Unit	1 set	