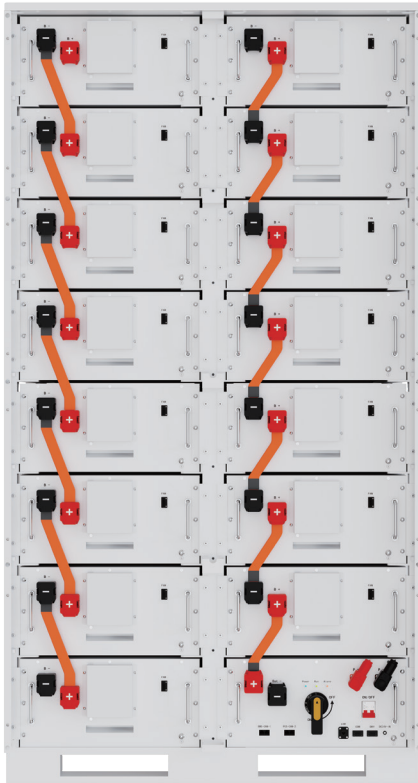




**215kWh 768V 280Ah
High Voltage Battery
Rack Solution**

215kWh 768V 280Ah High Voltage Battery Rack Solution



Product characteristics



Exquisite craftsmanship
Higher specific energy,
more environmentally friendly.



Integrated design
Convenient installation and
higher efficiency.



Safe and reliable
Longer cycle life.

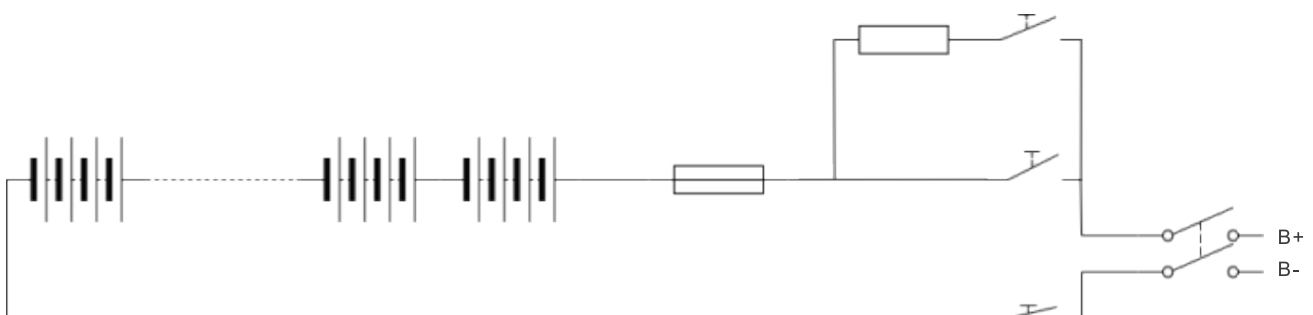


Smart and friendly
The parallel function is
fast and convenient

Product Introduction

The HV-215KWH high-voltage energy storage rack is based on a modular design concept and consists of energy storage units, control units, heat dissipation modules, and fire suppression modules. It has the characteristics of high energy density, long life cycle, low self discharge rate, and environmental sustainability, make lithium battery energy storage rack products widely used in various energy storage.

Circuit schematic diagram



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Model	HV-215KWH	Note
Design parameters		
Battery module	768V/280Ah	
Rated voltage (V)	768	
Voltage range (V)	672~864	
Rated capacity (Ah)	280	25°C / 0.2C
Rated energy (KWh)	215	
Rated charging and discharging current (A)	140	0.5C
Maximum charging and discharging current (A)	168	0.6C / No more than 1.5H
Battery parameter		
Dimension (mm)	1150*851.5*2156.5	L*W*H
Internal resistance (mΩ)	<160	
Using parameter		
Parallel function	Parallel connection of combiner cabinet	It is strictly prohibited to connect without a combiner cabinet
Communication method	CAN/RS485	
IP level	IP20	
Working temperature (°C)	0~55/-10~60 Charging 0~55/discharging-10~60	
Storage temperature (°C)	20~40	
Working humidity	5-85%	RH
Discharge depth	80-90%	DOD
Using hight (M)	<2000	
Design life	10+Years	25°C / 77°F
Cycle life	≥6000	25±2°C / 0.2C / 80%
Protection function	Voltage (overcharging and discharging) / Temperature (over temperature range protection) / Current protection / Leakage protection	Prohibit short circuits
Certification		
Transportation certification	UN38.3 MSDS	