

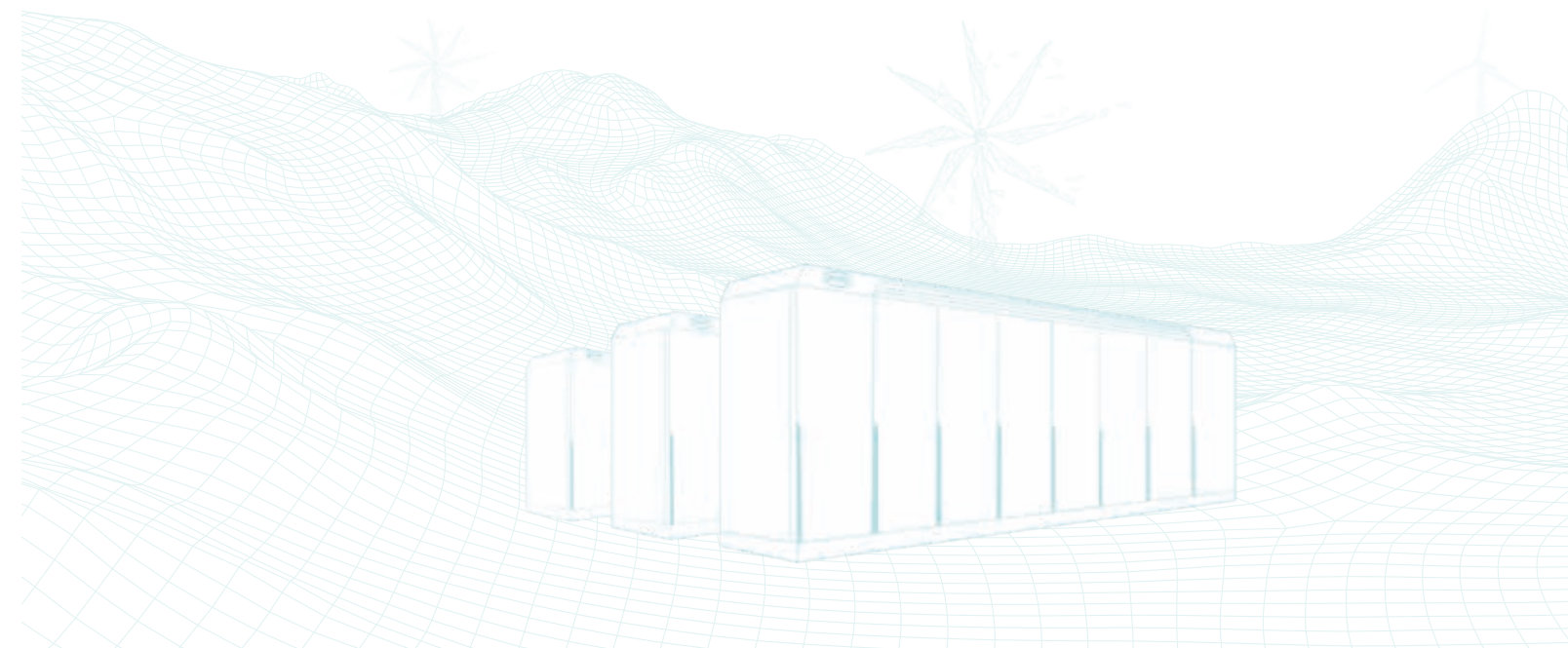


Energy Storage

比亚迪储能

**Build Your Dreams**

储能行业引领者



CH

ESS Pro

XC-B233-E-R1M01

Battery energy storage system for storage and charging, suitable for all kinds of EV charging and battery swapping stations.



SYSTEM FEATURES



Liquid Cooling & Excellent Performance

Using liquid cooling technology, cell-level intelligent temperature control ensures smooth operation. Ultra-long cycle life, product performance is greatly improved.



Highly Integrated & Safe and Reliable

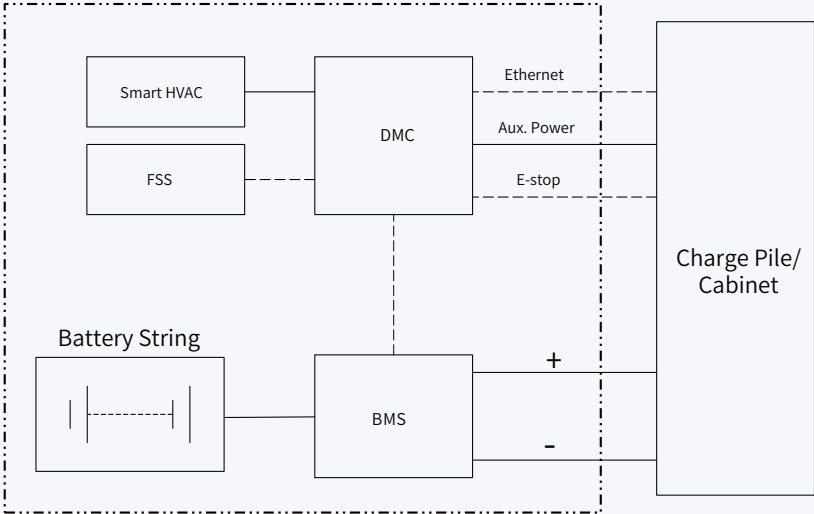
Integrate HVAC, FSS and BMS to monitor the operation status in real time in an all-round way, making it more efficient and safer.



High-efficiency fast charging & Wide range of applications

Efficient charging and fast discharging, applicable to high-power fast-charging scenarios of electric vehicles. Simple and streamlined scalable design for extensive application scenarios.

CIRCUIT DIAGRAM



SYSTEM PARAMETERS

System Type	XC-B233-E-R1M01
DC Side	
Cell Type	LFP C15
Cell Capacity	320Ah
Pack Type	1P57S
String Type	1P228S (4 battery packs)
System Configuration	1P228S
Battery Nominal Capacity (BOL)	233kWh
DC Usable Energy (BOL)@FAT	215kWh
DC Usable Energy (BOL) @SAT (within 3 months after FAT)	208kWh
Battery Voltage Range	592.8~820.8V
Nominal Charge/Discharge Power	100kW/200kW
General Parameters	
Dimensions(W×D×H)	1500×800×2250mm
Weight	≤2600kg
IP Rating	IP54(Electrical parts); IP65(battery part)
Operating Ambient Temperature	-25℃~+55℃ 【1】
Storage Temperature	-20~35℃ (<12 months); -20~45℃ (<3months)
Relative Humidity	5%~95%
Max. Working Altitude	3000m
Cooling Concept	liquid cooling
Noise	≤75dB(A)@1m
Fire Suppression System	Aerosol
Aux. Power Interface	AC230V/50Hz
Aux. System Peak Power Requirement @45℃	5kW
Communication Interfaces	Ethernet
Communication Protocols	Modbus TCP/IP
Compliance	IEC62619
Standard Color	Front: MD458-3JA0-0; Side: RAL9011

Note:  
【1】 Power derating is performed when the ambient temperature is above 45℃.