

CHESS Pro

XC-B233-E/U-R1M01

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



SYSTEM FEATURES



Liquid Cooling & Excellent Performance

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



Highly Integrated & Safe and Reliable

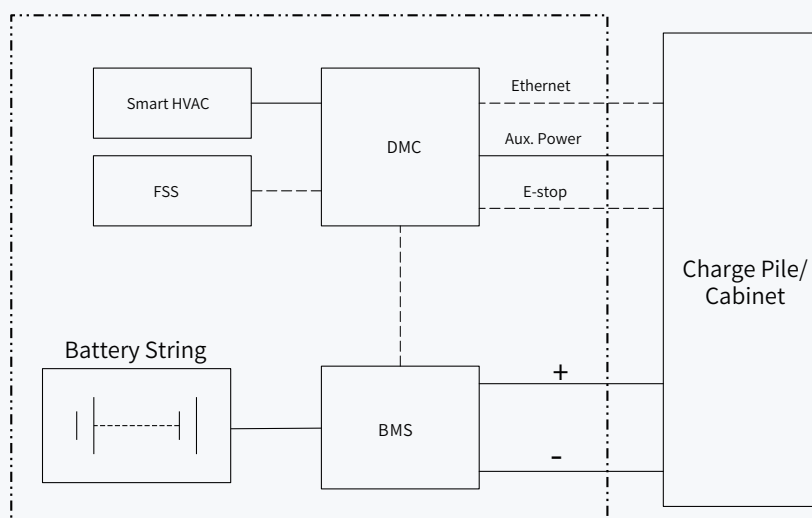
Integrated HVAC, FSS and BMS to monitor the operation status in real time in an all-round way, making it more efficient and reliable.



Efficient Fast Charging & Wide Range of Applications

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

CIRCUIT DIAGRAM



SYSTEM PARAMETERS

System Type	XC-B233-E/U-R1M01
DC Side	
Cell Type	LFP
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	208kWh
Battery Voltage Range	729.6V (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 Parts)
Operating Temperature Range	-25°C~+55°C ^[1]
Relative Humidity	5%~95%
Max. Working Altitude	3000m
Cooling Concept	Liquid Cooling
Noise	≤75dB(A)@1m
Fire Suppression System	Aerosol
Auxiliary Power Interface	AC 220/230/240V 50/60Hz
Peak Power of Aux. System @45°C	5kW
Communication Interfaces	Ethernet
Communication Protocols	Modbus TCP/IP
Compliance	GB/T 36276, IEC 62619, UL1642, UL1973, UL 9540A, UN38.3, CE Marking;
Standard Color	Front: MD458-3JA0-0; Side: RAL9011

Note:

[1] Power derating is performed when the ambient temperature is above 45°C.