



MC Cube-T

MC-B501-E/U-R2 & MC-B536-E/U-R4



Standard outdoor battery cabinet, MC Cube-T uses the new-generation LFP battery for energy storage, and adopts the world's first CTS (Cell To System) integration technology, small changes, large capacity.

SYSTEM FEATURES



Safe & Reliable

Passed 10+ destructive tests, six-dimension high-precision detection, four-level active and passive protection.



Flexible Configuration and Management

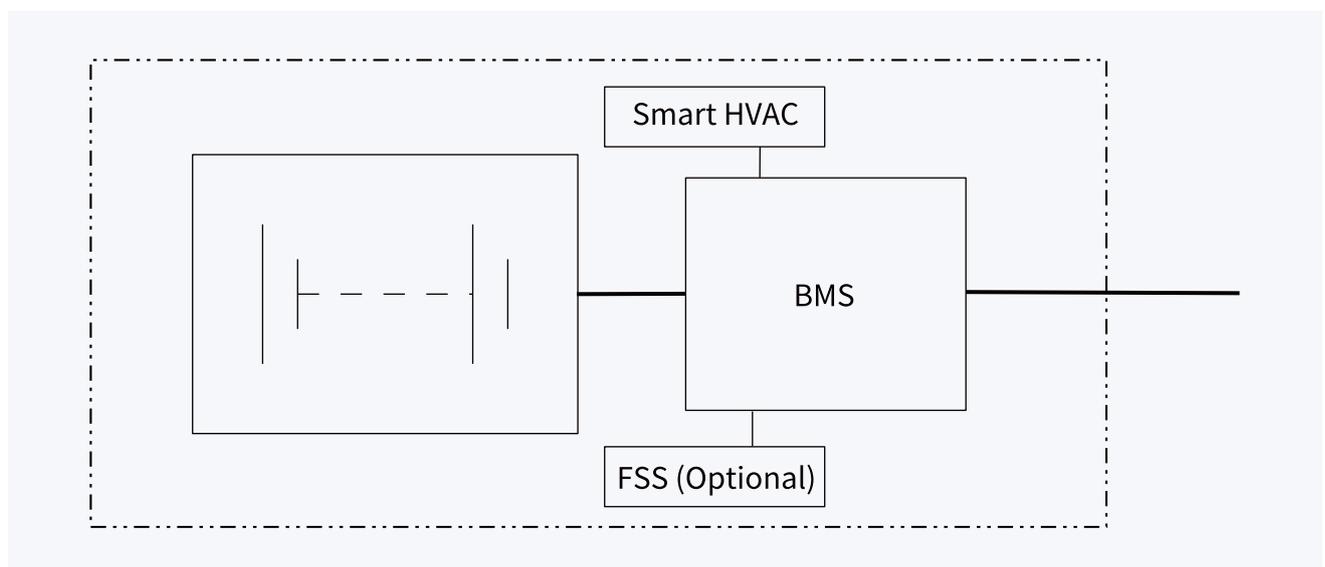
Intelligent liquid cooling comprehensively improves system efficiency; 1500V system voltage; Easy Transportation, Easy Layout, Easy Installation, Easy Maintenance, Easy Augmentation.



Cost-efficient Ultra High Energy

It's equipped with new-gen safe and long-life LFP battery for energy storage, more energy, less footprint.

CIRCUIT DIAGRAM





SYSTEM PARAMETERS

System Type	MC-B501-E/U-R2	MC-B536-E/U-R4
DC Data		
Cell type	LFP	LFP
System configuration	1P416S	1P416S
DC usable energy @FAT	501kWh	536kWh
DC usable energy @1 month SAT	495kWh	530kWh
DC usable energy @3 months SAT	490kWh	525kWh
Nominal voltage	1331.2V DC	1331.2V DC
Battery voltage range	1081.6 ~ 1489.3V DC	1081.6 ~ 1497.6V DC
Nominal power	250.5kW	134kW
General Data		
Dimensions (WxDxH)	1130×1208×2523mm	1130×1233×2523mm
Weight	3960kg	4000kg
IP rating	IP55	IP55
Ambient operating temperature range	-30°C~+55°C [1]	-30°C~+55°C [1]
Relative humidity	5%~100%	5%~100%
Max. working altitude	<2000m [2]	<2000m [2]
Cooling concept	Liquid cooling	Liquid cooling
Noise@1m	≤75dBA	≤75dBA
Fire suppression system	With fire detection and alarm system	
Auxiliary power interface	AC 400V/50Hz, 3P4W; AC 480V/60Hz, 3P4W	
Auxiliary system peak power requirement@45°C, PF0.9	6.6kVA	4kVA
Communication protocols	CAN	CAN
Standard color	RAL 9003	RAL 9003
Compliance	IEC 62619, UL 9540, UL 9540A, UL 1973, UN 38.3, UN 3536, CE Marking	

Note:

[1] Power derating is performed when the ambient temperature is below -15°C or above +45°C.

[2] Power derating is performed when the altitude is between 2000-3000m.