

# 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

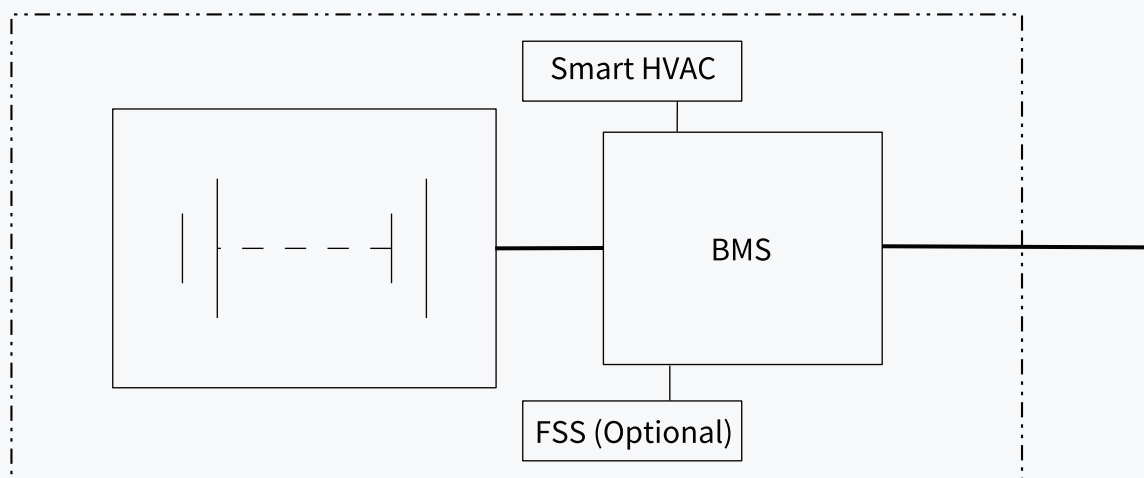
Intelligent liquid cooling comprehensively improves system efficiency; 1500V system voltage; Easy Transportation, Easy Layout, Easy Installation, Easy Maintenance, Easy Augmentation.



### 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 Side				
Cell Type	LFP			
System Configuration	1P416S			
Battery capacity (BOL)	501kWh		536kWh	
DC usable energy @FAT	501kWh		536kWh	
Nominal Voltage	1331.2V DC			
Battery voltage range	1081.6 ~ 1489.3V DC			
Nominal power	250.5kW		134kW	
General Parameters				
Dimensions (W×D×H mm)	1130×1203×2521			
Weight	4030kg		4000kg	
IP Rating	IP55			
Anti-corrosion Grade	C4/C5 (Optional)			
Max. Working Altitude	< 3000m <sup>[1]</sup>			
Cooling Concept	Liquid Cooling			
Temperature Range	30°C ~ +55°C <sup>[2]</sup>			
Relative Humidity	5% ~ 100%			
Noise	≤75dBA			
Fire Suppression System	With fire detection and alarm system. Aerosol is optional			
Auxiliary Power Interface	AC380V/50Hz, AC480V/60Hz; 3-phase 4-wire			
Auxiliary system peak power requirement @45°C, PF0.8	6.5kVA		4.2kVA	
Communication Protocols	CAN			
Standard Color	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 altitude is between 2000-3000m

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