

MC Cube

MC-B536-U-R4M01
MC-B466-U-R2M01



World's first BESS using the Blade Battery, highly integrated with ultra high energy density.

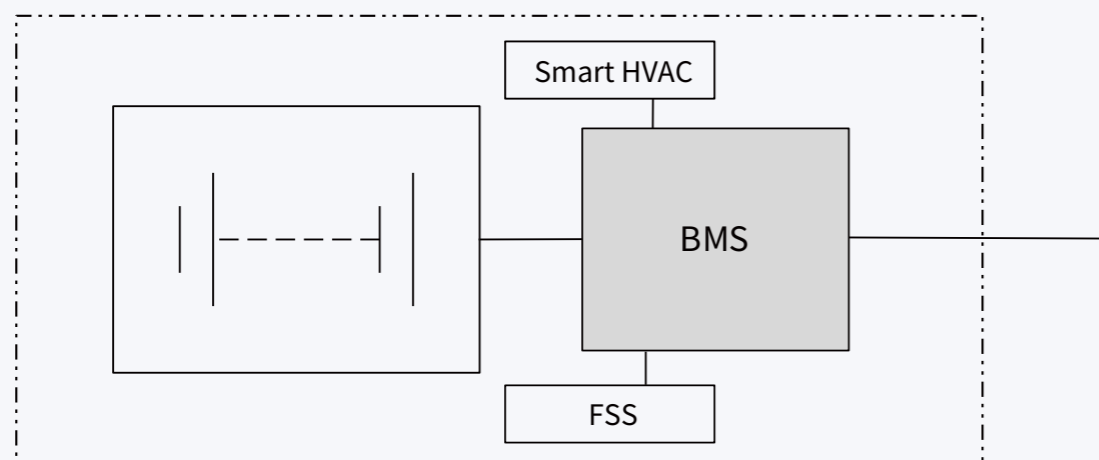
SYSTEM FEATURES

Safe & Reliable
Pass 10+ destructive tests such as short-circuit, vibration, external fire exposure, four-level active and passive protection

Flexible & Configurable
Compliant with global energy storage standards, quick connector design to save the time, flexible augmentation, possible for mixed use of new and old batteries

Cost-efficient & Smart
Maximized the overall energy density, space saving; interconnected with the cloud system for the real-time monitoring

CIRCUIT DIAGRAM



System Parameters

System Type	MC-B536-U-R4M01	MC-B466-U-R2M01
DC Side		
Cell Type	LFP	LFP
String Type	1P416S	1P416S
System Configuration	1×1P416S	1×1P416S
Battery Capacity (BOL)	536kWh	466kWh
DC Usable Energy (BOL)@FAT	515kWh	447kWh
DC Usable Energy (BOL)@SAT	500kWh	434kWh
Battery Voltage Range	1081.6 ~ 1497.6V	1081.6 ~ 1497.6V
Nominal Power	125kW	217kW
General Parameters		
Dimensions(W×D×H)	1125×1160×2430mm	1130×1203×2521mm
Weight	≈3784kg	≈3817kg
IP Rating	IP55	IP55
Operating Ambient Temperature	-30°C~+55°C 【1】	-30°C~+55°C 【1】
Relative Humidity	5%~100%	5%~100%
Max. Working Altitude	< 2000m	< 2000m
Cooling Concept	Smart Air Cooling	Liquid Cooling
Noise	≤75dB(A)	≤75dB(A)
Fire Suppression System	With fire alarm system(Aerosol optional)	With fire alarm system(Aerosol optional)
Communication Interfaces	CAN	CAN
Communication Protocols	OD	OD
Standard Color	RAL9003	RAL9003
Compliance	UN38.3,UN3536,UL9540A,UL1973,IEC62619	

Note:
【1】 Power derating is performed when the ambient temperature is below -15°C or above 45°C.