

MC CUBE ESS

2-Hour



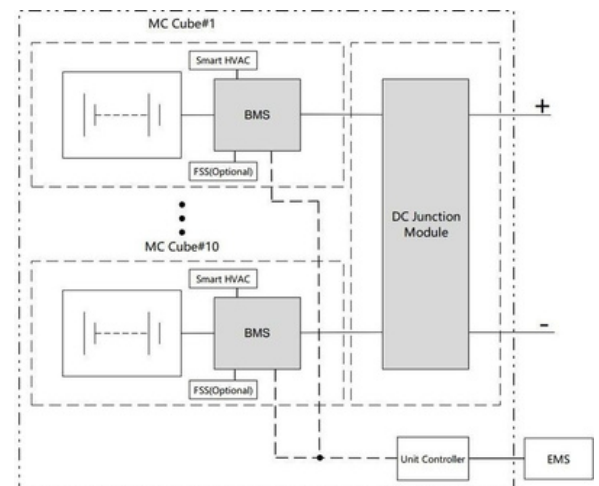
ADVANCED BLADE BATTERY TECHNOLOGY

- Enhanced safety and thermal stability
- Strong, long-life cell design
- High energy density

FLEXIBLE & SCALABLE CONFIGURATION

- Modular and expandable
- Suitable for varied applications
- Easy to upgrade without system redesign

SINGLE LINE DIAGRAM



This is a highly integrated Battery Energy Storage System (BESS) designed for large-scale energy storage, offering ultra-high energy density, flexible configuration, and simple installation and maintenance. Key features include factory pre-installation, integrated BMS/EMS, long lifecycle, and efficient, user-friendly operation. It utilises Blade Battery (LFP) technology, delivering enhanced safety, durability, and compact design compared to conventional battery systems.

Model	MC-B466-E-R2M01	MC10C-B4659-E-R2M01	MC9C-B4193-E-R2M01	MC8C-B3727-E-R2M01
DC Side				
Cell Type	LFP			
System Configuration	1P416S	10 * 1P416S	9 * 1P416S	8 * 1P416S
Battery Capacity (BOL)	466kWh	4659kWh	4193kWh	3727kWh
DC Usable Energy (BOL)@FAT	447kWh	4428kWh	3985kWh	3542kWh
DC Usable Energy (BOL)@SAT 1 month	443kWh	4384kWh	3945kWh	3506kWh
DC Usable Energy (BOL)@SAT 3 months	434kWh	4295kWh	3866kWh	3436kWh
Battery Voltage Range	1081.6-1497.6V			
Nominal Power	224kW	2214kW	1993kW	1771kW
General Parameters				
Dimension (W×D×H)	1130*1203*2521mm	6058*2438* 2896mm		
Weight	3920kg	42900kg	38950kg	34950kg
IP Rating	IP55			
Operating Ambient Temperature	-30C~+55C			
Relative Humidity	5%~100%			
Max. Working Altitude	<2000m			
Cooling Concept	Liquid cooling			
Noise	≤75dBA			
Fire Suppression System	With fire alam system, with aerosol			
Communication Interfaces	CAN	Ethernet		
Communication Protocols	OD	Modbus TCP/IP		
Standard Color	RAL 9003/RAL 6002			
Compliance	U N38.3,UN3536,UL9540A,UL1973,IEC62619			

Model	MC7C-B3261-E-R2M01	MC6C-B2795-E-R2M01	MC5C-B2330-E-R2M01
DC Side			
Cell Type	LFP		
System Configuration	7 * 1P416S	6 * 1P416S	5 * 1P416S
Battery Capacity (BOL)	3261kWh	2795kWh	2330kWh
DC Usable Energy (BOL)@FAT	3100kWh	2657kWh	2214kWh
DC Usable Energy (BOL)@SAT 1 month	3069kWh	2630kWh	2192kWh
DC Usable Energy (BOL)@SAT 3 months	3007kWh	2577kWh	2148kWh
Battery Voltage Range	1081.6-1497.6V		
Nominal Power	1550kW	1328kW	1107kW
General Parameters			
Dimension (W×D×H)	6058*2438* 2896mm		
Weight	31050kg	27050kg	23100kg
IP Rating	IP55		
Operating Ambient Temperature	-30C~+55C		
Relative Humidity	5%~100%		
Max. Working Altitude	<2000m		
Cooling Concept	Liquid cooling		
Noise	≤75dBA		
Fire Suppression System	With fire alarm system, with aerosol		
Communication Interfaces	Ethernet		
Communication Protocols	Modbus TCP/IP		
Standard Color	RAL 9003/RAL 6002		
Compliance	U N38.3,UN3536,UL9540A,UL1973,IEC62619		



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