

MC-I

MC-P200B466-E/U-R2M01
MC-P200B932-E/U-R4M01

Extremely safe, highly integrated, convenient, flexible, and cost-effective.



SYSTEM FEATURES



High Energy Density

Compact mechanical design, minimized footprint.



Highly Integrated

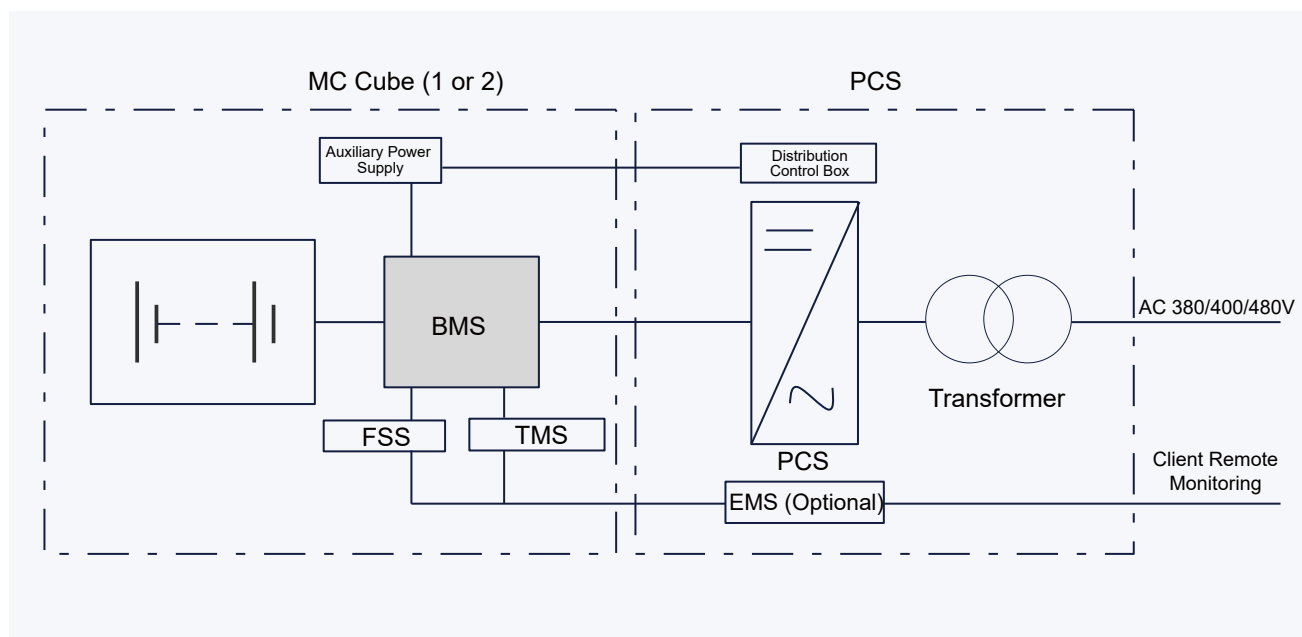
Highly integrated system to allow flexible transportation and on-site installation. All-In-one design, integrated with PCS, local controller, HVAC and FSS to ensure system safety.



Safe & Long Lifecycle

Highly efficient system with safe and long lifecycle LFP battery.

CIRCUIT DIAGRAM





SYSTEM PARAMETER

System Type	IC01-B466AP200-E-R2	IC01-B932AP200-E-R4
DC Data		
Cell Type	LFP 350Ah	LFP 350Ah
System Configuration	1P416S	2×1P416S
Battery Capacity (BOL)	466kWh	932kWh
DC Usable Energy (BOL)@FAT	447kWh	894kWh
Nominal Voltage	1331.2V	1331.2V
Battery Voltage Range	1081.6 ~ 1497.6V	1081.6 ~ 1497.6V
Cooling Concept	Liquid cooling	Liquid cooling
AC Data		
Nominal Power	200kW	200kW
AC Usable Energy (BOL)@FAT	431kWh	862kWh
Max. THD of Current (@Nominal Power)	<3%	<3%
Power Factor	-0.95~0.95	-0.95~0.95
Nominal Grid Voltage	400V	400V
Nominal Grid Frequency	50Hz	50Hz
Isolation Method	Isolation Transformer	Isolation Transformer
System Data		
Dimensions (WxDxH)	2250×1170×2675mm	3380x1170x2675mm
Weight	~6T	~10T
Ambient Operating Temperature Range	-30°C~+55°C ^[1]	-30°C~+55°C ^[1]
Relative Humidity	5%~95%	5%~95%
Max. Working Altitude	<2000m ^[2]	<2000m ^[2]
Noise	≤75dB(A)	≤75dB(A)
Fire Suppression System	Aerosol	Aerosol
Auxiliary Power Interface	AC400V/50Hz, 3-phase 4-wire	AC400V/50Hz, 3-phase 4-wire
Auxiliary System Peak Power Requirement @45°C, PF0.8	~9kVA	~15kVA
IP Rating	IP55((Battery Parts);IP54((Electrical Parts)	IP55((Battery Parts);IP54((Electrical Parts)
Anti-Corrosion Grade	C4	C4
Communication Interfaces	Ethernet	Ethernet
Communication Protocols	Modbus TCP/IP	Modbus TCP/IP
Compliance	IEC 62477, IEC 62619, UL 1973, UL 9540, UL 9540A	IEC 62477, IEC 62619, UL 1973, UL 9540, UL 9540A

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.