



Energy Storage

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

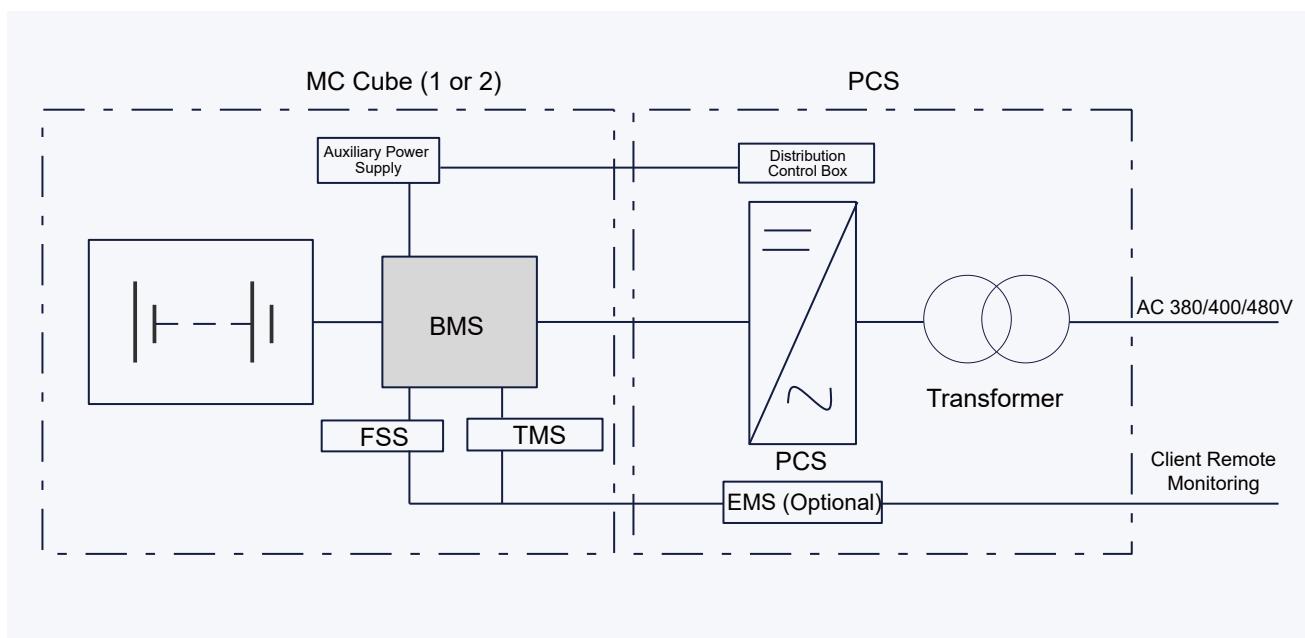
Highly integrated system to allow flexible transportation and on-site installation.
All-in-one design, integrated with PCS, local controller, HVAC and FSS to ensure system safety.



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.