

BLOCK-M AIR CIESS

The Block-M Air integrates longevity battery cells, BMS, high-performance PCS, active safety, and thermal management into a single standardized air-cooled outdoor cabinet, creating a plug-and-play intelligent energy block.

Block-M Air (Cabinet 215kWh + 50kW PCS)
Block-M Air (Cabinet 215kWh + 100kW PCS)



Rated Energy

215kWh high voltage battery

Features



Supports maximum continuous 0.5C charge/discharge rate.



IP55 rating for outdoor use, security isolation, pack-level warnings, and fire prevention ensure system safety and control.

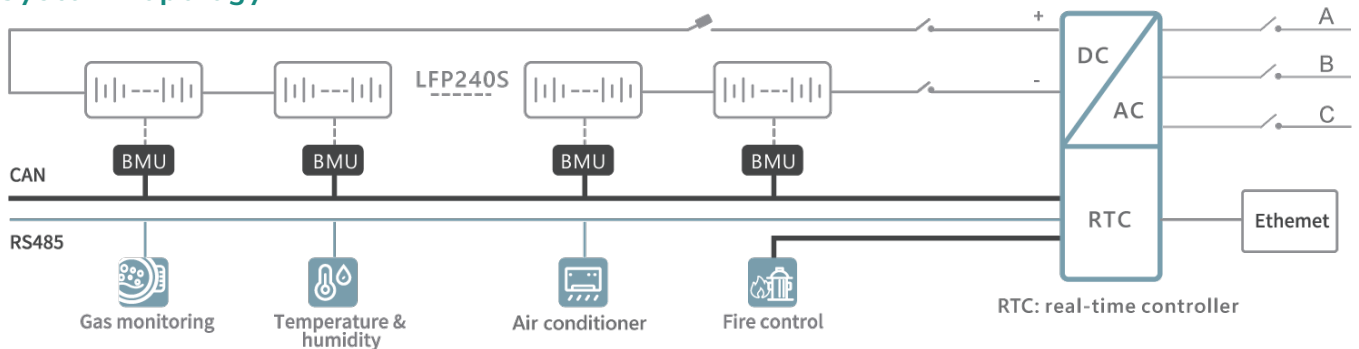


An air cooling system maintains battery temperature, ensuring performance and lifespan. Efficient BMS minimizes parallel capacity loss to zero.



Standardized design, flexible expansion, modular maintenance. Supports application from kWh to MWh energy storage.

System Topology



BLOCK-M AIR CIESS

MAIN SPECIFICATIONS	BLOCK-M AIR 50KW/215KWH	BLOCK-M AIR 100KW/215KWH
Battery:		
Battery system capacity	215kWh	215kWh
Battery max. C-rate	0.5C	0.5C
Battery cooling type		
- liquid cooling	✗	✗
- air conditioning	✓	✓
Battery fire suppression system	✓	✓
Battery cell type	LFP 280Ah	LFP 280Ah
UL9540A certification	✓	✓
Battery module configuration	14,336kWh / 1P16S	14,336kWh / 1P16S
Battery module quantity	15	15
Battery system configuration	215kWh / 1P240S	215kWh / 1P240S
Battery rated voltage	768V	768V
Battery voltage range	672-864V	672-864V
Auxiliary power supply	via internal wiring	via internal wiring
Battery enclosure protection rating		
- IP54	✗	✗
- IP55	✓	✓
Communication interface		
- CAN	✓	✓
- RS485 or Modbus	✓	✓
- Ethernet or TCP/IP	✓	✓
Battery ambient temperature	-30°C to 55°C	-30°C to 55°C
Relative humidity	5 to 95% (no condensation)	5 to 95% (no condensation)
Altitude	2000m	2000m
Battery dimensions (WxDxH)	1200mm x 1100mm x 2280mm	1200mm x 1100mm x 2280mm
Battery weight	2270kg	2270kg

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MAIN SPECIFICATIONS	BLOCK-M AIR 50KW/215KWH	BLOCK-M AIR 100KW/215KWH
PCS:		
AC power	50kW	100kW
AC maximum power	55kW	110kW
PCS cooling type		
- air cooling	✓	✓
on-grid / off-grid switching		
- STS	✗	✗
- other	✗	✗
PV input power	✗	✗
PCS nominal output voltage	400V	400V
PCS nominal frequency	50Hz/60Hz	50Hz/60Hz
PCS wiring method	3W+N+PE and 3W+PE	3W+N+PE and 3W+PE
PCS battery voltage range	650-950V (3W+N+PE) / 615-950V (3W+PE)	650-950V (3W+N+PE) / 615-950V (3W+PE)
PCS battery maximum input current	90A	170A
PCS enclosure protection rating		
- IP54	✗	✗
- IP55	✓	✓
Communication interface		
- CAN	✓	✓
- RS485 or Modbus	✓	✓
- Ethernet or TCP/IP	✓	✓
PCS ambient temperature	-30°C to 55°C (derated at 45°C)	-30°C to 55°C (derated at 45°C)
Relative humidity	5 to 95% (no condensation)	5 to 95% (no condensation)
Altitude	2000m	2000m
PCS dimensions (WxDxH)	1000mm x 920mm x 330mm	1000mm x 920mm x 330mm
PCS weight	110kg	120kg