ONBIPV

M-R-215B



MODULAR PCS

ADVANTAGES

- **High-Power Density:** 215kW rated output with 1.1x continuous and 1.2x (1-minute) overload capability for dynamic grid response.
- **Wide DC Operating Range:** 1150–1500V operating voltage, maximizing compatibility with high-voltage battery systems..
- **High Efficiency & Quality:** THDi < 3% at rated power and power factor from 1 leading to 1 lagging — excellent power quality for grid-friendly integration.
- **IP66 High Protection:** Industry-leading IP66 enclosure with 0–100% humidity tolerance (non-condensing) — ideal for harsh outdoor and coastal environments.
- **Rich Connectivity:** RS485/CAN/Ethernet interfaces enable flexible integration with BMS, EMS, and dispatch systems.

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Product Type	M-R-215B

01 DC Parameters

Operate voltage range	1150V~1500V
Maximum DC current	206A

02 AC Parameters

Rated output power	215kW
Rated Max.AC power	237kW
Rated AC current	Single string 155.2A
Rated AC voltage	800V
AC connection mode	3P+PE
Overload capacity	1.1x, normal operation; 1.2x, 1 minute
Rated AC frequency	50/60Hz
THDi	< 3% (rated power)
Power factor	1 leading~1 lagging

03 System Parameters

Dimensions (W x H x D)	700*800*280mm
Weight	83kg
Operating Temperature	-30℃~60℃(derate above 45℃)
Relative humidity	0~100%(no-condensation)
Noise	≤80dB
Cooling mode	Forced air cooling
Altitude	≤5000m
Protection Degree	IP54
Communication interface	RS485/CAN/Ethernet

04 Complied Standards

RoHS·IEC 62477-1·IEC 61000-6-2·IEC 61683·VDE 4120·EN 50549

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