ONBIPV

M-R-290



MODULAR PCS

ADVANTAGES

- **High-Power-Density Compact Unit:** Small footprint, lightweight design for easy transportation and site deployment.
- **Modular String-Type Architecture:** Precise independent management of battery clusters, reducing single-point-failure risk.
- **Advanced Grid-Support Capability:** Built-in PQ & VSG grid-forming functions, fast response＜20 ms for micro-grid & off-grid scenarios.
- **Superb Environmental Adaptability:** IP66 protection, optional C3-C5 anti-corrosion; no power derating at 45℃ and 3000 m altitude.
- **Grid-Friendly Performance:** Low THDi＜3%, full-range adjustable power factor from -1 to 1, high-quality AC output.

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Product Type	M-R-290

01 DC Parameters

Operate voltage range	1160~1500V
Maximum DC current	281A

02 AC Parameters

Rated output power	290kW
Rated Max.AC power	319kW
Rated AC current	/
Rated AC voltage	800V
AC connection mode	3W+PE
Overload capacity	/
Rated AC frequency	50/60Hz
THDi	< 3%(Rated power)
Power factor	-1~1

03 System Parameters

Dimensions (W*H*D)	795*915*294mm
Weight	≤100kg
Operating temperature	-40℃~60℃(No derating at 45 °C)
Relative humidity	0~100%
Noise	≤80dB
Cooling mode	Intelligent air cooling
Altitude	≤4000m
Protection degree	IP66
Communication interface	Ethernet / RS485 / CAN / WiFi(Optional)

04 Complied Standards

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

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