



Midea Energy



CL430HX

High compatibility

- Support DC in parallel, and compatible with the 1C applications
- Single unit low power, flexible expansion capacity

Safe and Reliable

- High protection grade (IP66)
- Compatible String BMS function, DC-side high efficiency protection
- Intelligent liquid cooling with leakage detection function

High efficiency

- String-based management, up to 99% conversion efficiency
- AI intelligent detection, fast fault triage

Grid Support

- Fast active/reactive response
- Active and passive island detection, LVRT/HVRT to ensure the reliable operation of system
- Inertia support, black start and other network construction functions

Parameter	CL430HX-IEC/UL
DC-side Parameters	
Max. DC Voltage	1500 V
Min. DC Voltage	1000 V
DC Voltage Range at Nominal Power	1060-1500V
Max. DC Operation Current	230A
Number of DC Inputs	2
AC-side Parameters (Grid)	
Nominal Power	215*2kW
Nominal Current	360A
Max. Continuous Current	396A
Grid Nominal Voltage	690V
Grid Voltage Range	CE:690Vac (0.9-1.1Un) NA:690Vac (0.88-1.1Un)
Grid Nominal Frequency/Range	CE:50Hz (47-52Hz) NA:60Hz (57-63Hz)
Current THD (THDi)	< 3% (at nominal power)
Power Factor	> 0.99 (at nominal power)
General Parameters	
Max. Efficiency	99%
Dimensions (W x H x L)	790 x 220 x 2070 mm
Operating Temperature	-30°C - 65°C
Allowable Relative Humidity Range	0-100% (non-condensing)
Max. Operating Altitude	4000m
Cooling Method	Liquid cooling
Protection Grade	IP66
Communication	Ethernet
Compliance	UL 1741, Rule 21, IEEE 1547, IEC 62477-1, IEC 61000-6-2/4, EN 50549-2/10, NTS 2.1, NTS SENP 1.1, VDE-AR-N 4110/4120, G99, CEI 0-16



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