

MICRO INVERTER

HYX-M1200-SW-NA-LV



Safe & Reliable

- EMC-certified for household safety-level radiation
- 60V low-voltage operation, 6000V surge protection
- IP67, weatherproof and stable

Efficient & Optimized

- Start-up of 20V, 150% overload capacity for higher energy yield
- Module-level MPPT, supports 4 PV modules with 1200VA max. output
- 16A design, ideal for mainstream PV modules

Easy & Flexible

- Compact hook design, easy installation
- Plug-and-play with flexible scalability
- Industry-level WiFi integrated

Smart & Manageable

- Intelligent layout with rapid module-level visualization
- Module-level monitoring for precise fault positioning
- One-click OTA enabling fast fault resolution

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Technical Specifications

Product Model	HYX-M1200-SW-NA-LV
Input (DC)	
Typical Module Compatibility	360 - 600 ¹ W
MPPT Voltage Range	16 - 60V
Max. Input Voltage	60V
Start-up Voltage	20V
Max. PV Input Current	14A
Max. Short-circuit DC Input Current	20A
No. of MPP tracker	3
Strings per MPP tracker	1 / 2 / 1
Output (AC)	
Nominal Output Power	1200VA
Nominal Output Current	10A
Nominal Output Voltage	120V
Nominal AC Voltage Range ¹	105.6 - 127.2V
Nominal Frequency	50 / 60Hz
Nominal AC Frequency Range	45 - 55Hz, 55 - 65Hz
Power Factor (default / adjustable)	>0.99 / 0.8 leading...0.8 lagging
THDi	< 3%
Efficiency	
Nominal MPPT Efficiency	99.80%
Night-time Power Loss	< 60mW
General Data	
Operating Ambient Temperature Range	- 40 to + 65°C
Dimensions (W*H*D)	310*236*35.5mm
Degree of Protection	IP67
Cooling Concept	Natural Cooling - No fans
Weight	5kg
Features	
Communication	Built-in WiFi
Type of Isolation	High frequency transformers, Galvanically isolated
Warranty	12 years standard, 25 years optional
Protection	
Input Reverse Connection Protection	Yes
Output Overcurrent Protection	Yes
Output Overvoltage Protection	Yes
Anti-islanding Protection	Yes
Output Short-circuit Protection	Yes

1: Nominal voltage/frequency range can vary depending on local requirements.