

MICRO INVERTER

HYX-M1200-SW-NA-LV

Version 1.2-2605

Design and specifications are subject to change without notice



Efficient & Optimized

- Start-Up of 20V, 150% Overload Capacity for Higher Energy Yield
- Module-Level MPPT, Supports 4 PV Module with 1200VA Max. Output
- 16A Design, Ideal for Mainstream PV Modules



Smart & Manageable

- Intelligent Layout with Rapid Module-level Visualization
- Module-Level Monitoring for Precise Fault Positioning
- One-Click OTA Enabling Fast Fault Resolution



Safe & Reliable

- EMC-Certified for Household Safety-Level Radiation
- 60V Low-Voltage Operation, 6000V Surge Protection
- IP67, Weatherproof and Stable



Easy & Flexible

- Compact Hook Design, Easy Installation
- Plug and Play with Flexible Scalability
- Industry-Level Wi-Fi Integrated

Technical Specifications

HYX-M1200-SW-NA-LV

Product Model	HYX-M1200-SW-NA-LV
Input (DC)	
Typical Module Compatibility	360 - 600* W
MPPT Voltage Range	16 - 60V
Max. Input Voltage	60V
Start-up Input Voltage	20V
Max. Input Current	16A
Max. Short-circuit DC Input Current	20A
No. of MPPT tracker	3
Strings per MPPT 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

Technical Specifications

HYX-M1200-SW-NA-LV

Product Model	HYX-M1200-SW-NA-LV
General Data	
Operating Ambient Temperature	- 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 Wi-Fi
Type of Isolation	High Frequency Transformers, Galvanically Isolated
Warranty	15 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.