

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-M1875-SW | HYX-M2000-SW |
|-------------------------------------|--|--------------|
| 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.