

Micro Inverter

HYX-M2500D-SW

Version 1.5-2609

Design and specifications are subject to change without notice



Efficient & Optimized

- Start-Up of 20V, 150% Overload Capacity for Higher Energy Yield
- Supports 4 PV Modules with 2500VA Max. Output
- 18A Design, Ideal for High-Power PV Modules
- Non-Derating Under 50°C



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

- Safety Protection Relay Integrated
- 60V Low-Voltage Operation, 6000V Surge Protection
- IP67, Weatherproof and Stable



Easy & Flexible

- Compact Hook Design, Easy Installation
- Plug-and-Play with Flexible Scalability
- Supports Wi-Fi Mesh for More Stable Connectivity

Technical Specifications

HYX-M2500D-SW

Product Model	HYX-M2500D-SW
Input (DC)	
Typical Module Compatibility	500 ~ 790* W
MPPT Voltage Range	16 ~ 60V
Max. Input Voltage	65V
Start-up Voltage	20V
Max. PV Input Current	18A
Max. Short-Circuit DC Input Current	25A*
No. of MPPT	2
Strings per MPPT	2
Output (AC)	
Rated Output Power	2500VA
Rated Output Current	11.36A/10.87A/10.42A
Rated Output Voltage	220V/230V/240V
Rated AC Voltage Range ¹	176 ~ 288V
Rated Frequency	50/60Hz
Rated AC Frequency Range	45 ~ 55Hz, 55 ~ 65Hz
Power Factor (default / adjustable)	>0.99/0.8 leading...0.8 lagging
THDi	< 3%
Max. Units Per 10AWG Branch ²	< 2 / 2 / 2
Efficiency	
Peak Efficiency	97.20%
Rated MPPT Efficiency	99.90%
Night-Time Power Loss	<70mW

Technical Specifications

HYX-M2500D-SW

Product Model	HYX-M2500D-SW
General Data	
Operating Ambient Temperature Range	- 40 to + 75°C
Dimensions (W*H*D)	340*229*40.5mm
Degree of Protection	IP67
Cooling Concept	Natural cooling - no fans
Weight	5.8kg
Features	
Communication	Built-in Wi-Fi
Type of Isolation	High frequency transformers, galvanically isolated
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.
2: Refer to local requirements for exact number of microinverters per branch.
*: For Brazil, the Max. Short-circuit DC Input Current is 20A.