

MICRO INVERTER

HYX-M2500D-SW

Version 1.4-2605

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 trackers	2
Strings per MPPT tracker	2
Output (AC)	
Nominal Output Power	2500VA
Nominal Output Current	11.37A / 10.87A / 10.42A
Nominal Output Voltage	220V / 230V / 240V
Nominal AC Voltage Range ¹	176 - 288V
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%
Max. Units Per 10AWG Branch ²	< 2 / 2 / 2
Efficiency	
Peak Efficiency	97.20%
Nominal 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 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.

2: Refer to local requirements for exact number of microinverters per branch.

*: For Brazil, the Max. Short-circuit DC Input Current is 20A.