

Microinverter

HYX-M(2500-3000)D-SW

Version 1.0-2601

Design and specifications are subject to change without notice



Safe & Reliable

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



Efficient & Optimized

- Start-up of 16V, 150% overload capacity for higher energy yield
- Supports 4 PV modules with 3000VA max. output
- 18A design, ideal for high-power PV modules
- Non-derating under 50°C



Easy & Flexible

- Compact hook design, easy installation
- Plug-and-play with flexible scalability
- WiFi support, iMesh for stability



Smart & Manageable

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

Technical Specifications

HYX-M(2500-3000)D-SW

Product Model	HYX-2500D-SW	HYX-M3000D-SW
Input (DC)		
Typical Module Compatibility	500 - 700* W	600-750* W
MPPT Voltage Range	20~60 V	
Max. Input Voltage	65 V	
Start-up Voltage	20 V	
Max. PV Input Current	18 A	
Max. Short-circuit DC Input Current	25 A*	
No. of MPP Trackers	2	
Strings Per MPP Tracker	2	
Output (AC)		
Nominal Output Power	2500 VA	3000 VA
Nominal Output Current	11.37A / 10.87A / 10.42A	13.64A / 13.05A / 12.50A
Nominal Output Voltage	220V / 230V / 240V	
Nominal AC Voltage Range ¹	176~288 V	
Nominal Frequency	50 / 60 Hz	
Nominal AC Frequency Range	45-55 Hz, 55-65 Hz	
Power Factor (default / adjustable)	>0.99 / 0.8 leading...0.8 lagging	
THDi (rated power)	< 3%	
Max. Units Per 10AWG Branch ²	2 / 2 / 2	

Technical Specifications

HYX-M(2500-3000)D-SW

Product Model	HYX-M2500D-SW	HYX-M3000D-SW
Efficiency		
Peak Efficiency	97.2%	
Nominal MPPT Efficiency	99.9%	
Night-time Power Loss	< 70 mW	
General Data		
Operating Ambient Temperature Range	-40 ~ 75°C	
Dimensions (W*H*D)	340 × 229 × 40.5 mm	
Degree of Protection	IP67	
Cooling Concept	Natural Cooling - No fans	
Weight	5.8 kg	
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.