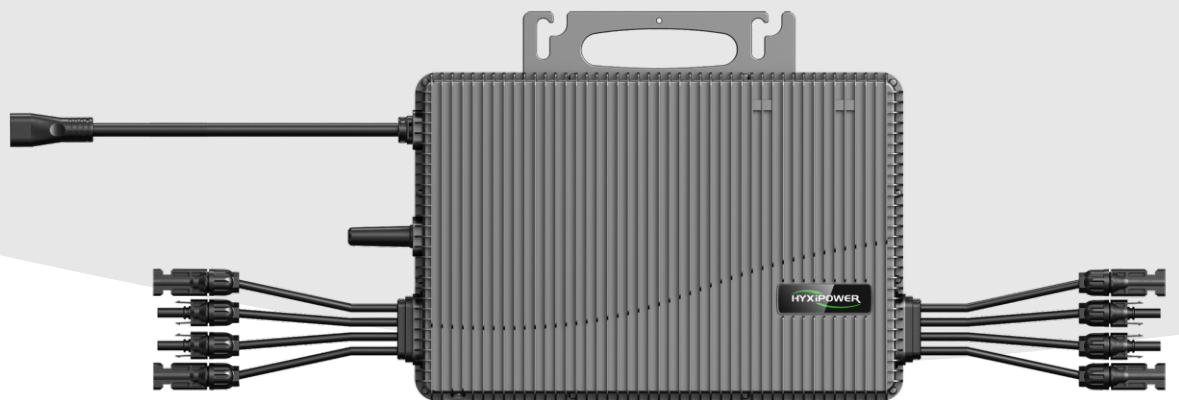


# MICRO INVERTER

# HYX-M2500D-SW



## Safe & Reliable

- Safety protection relay integrated
- 60V low-voltage operation, 6000V surge protection
- IP67, weatherproof and stable

## 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

## Easy & Flexible

- Compact hook design, easy installation
- Plug-and-play with flexible scalability
- Supports Wi-Fi Mesh for more stable connectivity

## Smart & Manageable

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

HYX-M2500D-SW  
**Technical Specifications**

Product Model	HYX-M2500D-SW
<b>Input (DC)</b>	
Typical Module Compatibility	500 - 700* W
MPPT Voltage Range	20 - 60V
Max. Input Voltage	65V
Start-up Voltage	20V
Max. PV Input Current	18A
Max. Short-circuit DC Input Current	25A
No. of MPP trackers	2
Strings per MPP tracker	2
<b>Output (AC)</b>	
Nominal Output Power	2500VA
Nominal Output Current	11.37A / 10.87A / 10.42A
Nominal Output Voltage	220V / 230V / 240V
Nominal AC Voltage Range <sup>1</sup>	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 <sup>2</sup>	2 / 2 / 2
<b>Efficiency</b>	
Peak Efficiency	97.20%
Nominal MPPT Efficiency	99.90%
Night-time Power Loss	< 80mW
<b>General Data</b>	
Operating Ambient Temperature Range	- 40 to + 65°C
Dimensions (W*H*D)	340*229*40.5mm
Degree of Protection	IP67
Cooling Concept	Natural Cooling - No fans
Weight	5.8kg
<b>Features</b>	
Communication	Built-in WiFi
Type of Isolation	High frequency transformers, Galvanically isolated
Warranty	12 years standard, 25 years optional
<b>Protection</b>	
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.