

Microinverter

HYX-M3000-SW

Version 1.0-2601

Design and specifications are subject to change without notice



Safe & Reliable

- Single PV input supports up to 42A, allowing parallel connection of PV modules and supporting 4-in-1 / 6-in-1 / 8-in-1 configurations (typical 6-in-1).
- Safety protection relay integrated
- 60V low-voltage operation, 6000V surge protection



Efficient & Optimized

- Start-up of 20V, 150% overload capacity for higher energy yield
- Dual PV inputs with up to 3000 VA output power
- Non-derating operation below 50°C under ventilated conditions



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
- One-click OTA enabling fast fault resolution

Technical Specifications

HYX-M3000-SW

Product Model	HYX-M3000-SW
Input (DC)	
Typical Module Compatibility	400 - 700 W
MPPT Voltage Range	20-60 V
Max. Input Voltage	65 V
Start-up Voltage	20 V
Max. PV Input Current	42 A
Max. Short-circuit DC Input Current	50 A
No. of MPP Trackers	2
Strings Per MPP Tracker	1
Output (AC)	
Nominal Output Power	3000 VA
Nominal Output Current	13.64A / 13.04A / 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-M3000-SW

Product Model	HYX-M3000-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.