

MICRO INVERTER

HYX-M600/700/800/900/1000-S

HYX-M600/700/800/900/1000-SW



Safe & Reliable

- Built-in relay for emergency physical disconnection
- EMC-certified for household safety-level radiation
- 60V low-voltage operation, 6000V surge protection
- IP67, weatherproof and stable

Efficient & Optimized

- Start-up of 20V, 150% overload capacity for higher energy yield
- Module-level MPPT, supports 2 PV module with 1000VA max. output
- 16A design, ideal for high-power PV modules

Easy & Flexible

- Compact hook design, easy installation
- Plug-and-play with flexible scalability
- Sub-1G and 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

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Technical Specifications

Product Model	HYX-M600-S HYX-M600-SW	HYX-M700-S HYX-M700-SW	HYX-M800-S HYX-M800-SW	HYX-M900-S HYX-M900-SW	HYX-M1000-S HYX-M1000-SW
Input (DC)					
Typical Module Compatibility	240 - 450* W	280 - 525* W	320 - 600* W	360 - 670* W	400 - 670* W
Min./Max. MPPT Voltage	16 - 60V				
Max. Input Voltage	65V				
Start-up Input Voltage	20V				
Max. Input Current	2*16A				
Max. Short-circuit DC Input Current	2*20A				
Output (AC)					
Nominal Output Power	600VA	700VA	800VA	900VA	1000VA
Nominal Output Current	2.73A / 2.61A / 2.5A	3.18A / 3.04A / 2.92A	3.64A / 3.48A / 3.33A	4.09A / 3.91A / 3.75A	4.55A / 4.35A / 4.17A
Nominal Output Voltage	220V / 230V / 240V				
Adjustable Output Voltage Range	183 - 276V				
Nominal Frequency	50 / 60Hz				
Adjustable Output 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	10 / 10 / 11	8 / 9 / 9	7 / 8 / 8	6 / 6 / 6	6 / 6 / 6
Max. Units Per 12AWG Branch	7 / 8 / 8	6 / 7 / 7	5 / 6 / 6	5 / 5 / 5	4 / 5 / 5
Efficiency					
Peak Efficiency	96.70%				
Nominal MPPT Efficiency	99.80%				
Night-time Power Loss	< 30mW				
General Data					
Operating Ambient Temperature	- 40 to + 65°C				
Dimensions (W*H*D)	252*180*35mm				
Degree of Protection	IP67				
Cooling	Natural Cooling - No fans				
Weight	3kg				
Features					
Communication ¹	Sub-1G / 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: **Sub-1G:** HYX-M600/700/800/900/1000-S. **Built-in WiFi:** HYX-M600/700/800/900/1000-SW

Nominal voltage/frequency range can vary depending on local requirements.

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