

## 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

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
<b>Input (DC)</b>					
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				
<b>Output (AC)</b>					
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
<b>Efficiency</b>					
Peak Efficiency	96.70%				
Nominal MPPT Efficiency	99.80%				
Night-time Power Loss	< 30mW				
<b>General Data</b>					
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				
<b>Features</b>					
Communication <sup>1</sup>	Sub-1G / 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				

<sup>1</sup> **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.