



MICRO INVERTER

HYX-M1600/1800/2000-S
HYX-M1600/1800/2000-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 4 PV module with 2000V 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-M1600-S HYX-M1600-SW	HYX-M1800-S HYX-M1800-SW	HYX-M2000-S HYX-M2000-SW
Input (DC)			
Typical Module Compatibility	320 - 600 ¹ W	360 - 670 ¹ W	400 - 670 ¹ W
Min./Max. MPPT Voltage	16 - 60V		
Max. Input Voltage	65V		
Start-up Input Voltage	20V		
Max. Input Current	4*16A		
Max. Short-circuit DC Input Current	4*20A		
Output (AC)			
Nominal Output Power	1600VA	1800VA	2000VA
Nominal Output Current	7.27A / 6.96A / 6.67A	8.18A / 7.83A / 7.50A	9.09A / 8.70A / 8.33A
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	5 / 5 / 5	4 / 5 / 5	4 / 4 / 4
Max. Units Per 12AWG Branch	4 / 4 / 4	3 / 3 / 4	3 / 3 / 3
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)	310*236*35.5mm		
Degree of Protection	IP67		
Cooling	Natural Cooling - No fans		
Weight	5kg		
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-M1600/1800/2000-S, **Built-in WiFi:** HYX-M1600/1800/2000-SW