

## 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

## Technical Specifications

Product Model	HYX-M1600-S HYX-M1600-SW	HYX-M1800-S HYX-M1800-SW	HYX-M2000-S HYX-M2000-SW
<b>Input (DC)</b>			
Typical Module Compatibility	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		4*16A	
Max. Short-circuit DC Input Current		4*20A	
<b>Output (AC)</b>			
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
<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)		310*236*35.5mm	
Degree of Protection		IP67	
Cooling		Natural Cooling - No fans	
Weight		5kg	
<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-M1600/1800/2000-S, **Built-in WiFi:** HYX-M1600/1800/2000-SW