

MICRO INVERTER

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

Reliable

- Low-voltage operation below 60V, it is safer to apply to roof power stations
- Built-in relay for physical disconnection
- IP67 degree of protection, adaptable to diverse scenarios

Efficient

- Module-level MPPT, output power up to 1000 VA
- 16A max. input current, compatible with 182/210 modules
- 20V start-up voltage, earlier start & later stop
- 150% DC oversizing, minimizing the cost of electricity

Simple

- Hook type design
- Easy expansion, plug-and-play

Intelligent

- Support Sub-1G & WiFi communication
- Module-level monitoring.
- Remote software upgrade, parameter configuration, alarm fault analysis



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 (W)	240 - 450+	280 - 525+	320 - 600+	360 - 670+	400 - 670+
Min./Max. MPPT Voltage (V)	16 - 60				
Max. Input Voltage (V)	65				
Start-up Input Voltage (V)	20				
Max. Input Current (A)	2*16				
Max. Short-circuit DC Input Current (A)	2*20				
Output (AC)					
Nominal Output Power (VA)	600	700	800	900	1000
Nominal Output Current (A)	2.73 / 2.61 / 2.5	3.18 / 3.04 / 2.92	3.64 / 3.48 / 3.33	4.09 / 3.91 / 3.75	4.55 / 4.35 / 4.17
Nominal Output Voltage (V)	220 / 230 / 240				
Adjustable Output Voltage Range (V)	183 - 276				
Nominal Frequency (Hz)	50 / 60				
Adjustable Output Frequency Range (Hz)	45 - 55, 55 - 65				
Power Factor (default / adjustable)	>0.99 / 0.8 leading...0.8 lagging				
THDi	< 3%				
Max. Units Per 10AWG Branch	14 / 15 / 16	12 / 13 / 13	10 / 11 / 12	9 / 10 / 10	8 / 9 / 9
Max. Units Per 12AWG Branch	10 / 11 / 12	9 / 9 / 10	8 / 8 / 9	7 / 7 / 8	6 / 6 / 7
Efficiency					
Peak Efficiency	96.70%				
Nominal MPPT Efficiency	99.80%				
Night-time Power Loss (mW)	< 30				
General Data					
Operating Ambient Temperature (°C)	- 40 to + 65				
Dimensions (W*H*D mm)	252*180*35				
Degree of Protection	IP67				
Cooling	Natural Cooling - No fans				
Weight (kg)	3				
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

* Design and specifications are subject to change without notice.

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