



Technical Specifications

2 IN 1 MICRO INVERTER

2 Solar Panels supported by 1 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, which detects 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 major 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 analy

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)					
Commonly used module pairings (W)	240 - 450+	280 - 525+	320 - 600+	360 - 670+	400 - 670+
MPPT Voltage Range (V)	16 - 60				
Operative Range (V)	16 - 60				
Max. Input DC voltage (V)	65				
Min. Start voltage (V)	20				
Max. continuous input DC current (A)	2*16				
Max. Short-circuit DC Input Current (A)	2*20				
Output (AC)					
Peak Output power (VA)	600	700	800	900	1000
Max. continuous output current (A) Nominal (L-L) voltage (V)	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 / 4.38 / 4.17
Voltage range (V)	220 / 230 / 240				
Nominal Frequency (Hz)	183 - 276				
Extended frequency range	50 / 60				
Power factor setting	45 - 55, 55 - 65				
Total harmonic distortion	>0.99 / 0.8 leading...0.8 lagging				
Max. Units Per 10 AWG Branch	14 / 15 / 16	12 / 13 / 13	10 / 11 / 12	9 / 10 / 10	8 / 9 / 9
Max. Units Per 12 AWG 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 consumption (mW)	< 30				
General Data					
Ambient temperature range (°C)	- 40 to + 65				
Dimensions (H x W x D) (mm)	252*180*35				
Degree of Protection	IP67				
Cooling	Natural Cooling - No fans				
Weight (kg)	3				
Communication¹					
Type of Isolation	Sub-1G Built-in WiFi				
Isolation	High frequency transformers, Galvanically isolated				
Warranty	12 years standard, 25 years optional				
Input Reverse Connection	Yes				
Protection Output Overcurrent	Yes				
Protection	Yes				
Output Overvoltage Protection Anti-islanding Protection	Yes				
Surge Protection	Type II				

Surge Protection: 1000/700/800/900/1000-S, Built-in WiFi: HYX-M600/700/800/900/1000-SW