

Technical Specifications



4 IN 1 MICRO INVERTER

4 Solar Panels supported by 1 micro-inverter

HYX-M1600/1800/2000-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 2000 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 analysis

Product Model	HYX-M1600-S HYX-M1600-SW	HYX-M1800-S HYX-M1800-SW	HYX-M2000-S HYX-M2000-SW
Input (DC)			
Commonly used module pairings (W)	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)	4*16		
Max. Short-circuit DC Input Current (A)	4*20		
Output (AC)			
Peak Output power (VA)	1600	1800	2000
Max. continuous output current (A) Nominal (L-L) voltage (V)	7.27 / 6.96 / 6.67	8.18 / 7.83 / 7.50	9.09 / 8.70 / 8.33
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	< 3%		
Max. Units Per 12 AWG Branch	5 / 5 / 5	4 / 5 / 5	4 / 4 / 4
Efficiency	4 / 4 / 4	3 / 3 / 4	3 / 3 / 3
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)	310*236*35.5		
Degree of Protection	IP67		
Cooling	Natural Cooling - No fans		
Weight (kg)	5		
Communication ¹	Sub-1G Built-in WiFi		
Type of Isolation	High frequency transformers, Galvanically isolated		
Warranty	12 years standard, 25 years optional		
Input Reverse Connection	Yes		
Protection Output Overcurrent	Yes		
Protection Output Overvoltage Protection Anti-islanding Protection	Yes		
Surge Protection	Type II		

¹Sub-1G: HYX-M1600/1800/2000-S, Built-in WiFi: HYX-M1600/1800/2000-SW