



HYXiPOWER

MICRO INVERTER

HYX-M300/400/500-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 500 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-M300-S HYX-M300-SW	HYX-M400-S HYX-M400-SW	HYX-M500-S HYX-M500-SW
Input (DC)			
Typical Module Compatibility (W)	240 - 450+	320 - 600+	400 - 670+
Min./Max. MPPT Voltage (V)	16 - 60		
Max. Input Voltage (V)	65		
Start-up Input Voltage (V)	20		
Max. Input Current (A)	16		
Max. Short-circuit DC Input Current (A)	20		
Output (AC)			
Nominal Output Power (VA)	300	400	500
Nominal Output Current (A)	1.36 / 1.30 / 1.25	1.82 / 1.74 / 1.67	2.27 / 2.17 / 2.08
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	29 / 30 / 32	21 / 22 / 23	17 / 18 / 19
Max. Units Per 12AWG Branch	22 / 23 / 24	16 / 17 / 17	13 / 13 / 14
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)	188*178*25		
Degree of Protection	IP67		
Cooling	Natural Cooling - No fans		
Weight (kg)	1.7		
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-M300/400/500-S, Built-in WiFi: HYX-M300/400/500-SW