Design and specifications are subject to change without notice.
Version 1.3-2025

HYXiPOWER

MICROINVERTER

HYX-M400/500-S-NA
HYX-M400/500-SW-NA

Safe & Reliable

- EMC-certified for household safety-level radiation
- 60V low-voltage operation, 6000V surge protection
- IP67(NEMA6), weatherproof and stable

Efficient & Optimized

- Start-up of 20V, 150% overload capacity for higher energy yield
- Module-level MPPT, supports 1 PV module with 500VA 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

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HYX-M400/500-S-NA
HYX-M400/500-SW-NA

Technical Specifications

Product Model	HYX-M400-S-NA HYX-M400-SW-NA		HYX-M500-S-NA HYX-M500-SW-NA	
Input (DC)				
Typical Module Compatibility	320 - 600+ W		400 - 670+ W	
Min./Max. MPPT Voltage	16 - 60V			
Max. Input Voltage	65V			
Start-up Input Voltage	20V			
Max. Input Current	16A			
Max. Short-circuit DC Input Current	20A			
Output (AC)				
Peak Output Power	400VA		500VA	
Max. Continuous Output Power	360VA		475VA	
Max. Continuous Output Current	1.5A	1.7A	2A	2.3A
Nominal Output Voltage / Range	240V/211-264V	208V/183-228V	240V/211-264V	208V/183-228V
Nominal Frequency / Range	60Hz / 55-65Hz			
Power Factor (default / adjustable)	>0.99 / 0.8 leading…0.8 lagging			
THDi	< 3%			
Max. Units per 10AWG Branch	16	14	12	10
Efficiency				
CEC Peak Efficiency	96.70%			
Nominal MPPT Efficiency	99.80%			
Night-time Power Loss	< 30mW			
General Data				
Operating Ambient Temperature	-40 to 149°F / - 40 to + 65°C			
Dimensions (W*H*D)	7.40*7.01*0.98" / 188*178*25mm			
Degree of Protection	IP67 (NEMA6)			
Cooling	Natural Cooling - No fans			
Weight	3.75lbs / 1.7kg			
Features				
Communication[1]	Sub-1G / Built-in WiFi			
Type of Isolation	High frequency transformers, Galvanically isolated			
Warranty	25 years			
Protection				
Input Reverse Connection Protection	Yes			
Output Overcurrent Protection	Yes			
Output Overvoltage Protection	Yes			
Anti-islanding Protection	Yes			
Output Short-circuit Protection	Yes			
Compliance				
Safety and EMC Compliance	Ul1741, UL1741SB, IEEE1547.1, IEEE1547, CSA C22.2 No.107.1-16, IEEE 1547A, SRD-V2.0, FCC Part15B, ICES-003 Issue 7, NEC-2017 & NEC-2020 & NEC-2023 Article 690.12 Rapid shutdown of PV systems on Buildings			

1: **Sub-1G:** HYX-M400/500-S-NA, **Built-in WiFi:** HYX-M400/500-SW-NA
Nominal voltage/frequency range can vary depending on local requirements.
Refer to local requirements for exact number of microinverters per branch.