

MICROINVERTER

HYX-M1800/2000-S-NA

HYX-M1800/2000-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 4 PV modules with 2000VA 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



Technical Specifications

Product Model	HYX-M1800-S-NA HYX-M1800-SW-NA		HYX-M2000-S-NA HYX-M2000-SW-NA	
Input (DC)				
Typical Module Compatibility	360 - 670* W		400 - 670* W	
Min./Max. MPPT Voltage			16 - 60V	
Max. Input Voltage			65V	
Start-up Input Voltage			20V	
Max. Input Current			4*16A	
Max. Short-circuit DC Input Current			4*20A	
Output (AC)				
Peak Output Power	1800VA		2000VA	
Max. Continuous Output Power	1660VA		1920VA	
Max. Continuous Output Current	6.9A	8A	8A	9.2A
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	3	3	3	2
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)	12.2*9.3*1.4" / 310*236*35.5mm			
Degree of Protection	IP67 (NEMA6)			
Cooling	Natural Cooling - No fans			
Weight	11lbs / 5kg			
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	UI1741, UL1741SB, IEEE15471, IEEE1547, CSA C22.2 No.1071-16, 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			

2: **Sub-1G:** HYX-M1800/2000-S-NA, **Built-in WiFi:** HYX-M1800/2000-SW-NA
Nominal voltage/frequency range can vary depending on local requirements.
Refer to local requirements for exact number of microinverters per branch.