



HYXiPOWER

MICRO INVERTER

HYX-M300/400/500-S
HYX-M300/400/500-SW

Reliable

- Low-voltage operation below 60V
- 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



| 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 | 240 - 450* W | 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) | | | |
| Nominal Output Power | 300VA | 400VA | 500VA |
| Nominal Output Current | 1.36A / 1.30A / 1.25A | 1.82A / 1.74A / 1.67A | 2.27A / 2.17A / 2.08A |
| Nominal Output Voltage | 220V / 230V / 240V | | |
| Adjustable Output Voltage Range | 183 - 276V | | |
| Nominal Frequency | 50 / 60Hz | | |
| Adjustable Output Frequency Range | 45 - 55Hz, 55 - 65Hz | | |
| 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 | < 30mW | | |
| General Data | | | |
| Operating Ambient Temperature | - 40 to + 65°C | | |
| Dimensions (W*H*D) | 188*178*25mm | | |
| Degree of Protection | IP67 | | |
| Cooling | Natural Cooling - No fans | | |
| Weight | 1.7kg | | |
| 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

※ Design and specifications are subject to change without notice.

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