



BALCONY

MICRO STORAGE SYSTEM

High Capacity

- 2,560Wh capacity, super-long battery life
- Supports parallel battery expansion up to 3 units

Advanced Performance

- 1,200W max. output power
- DC output supports low-power devices

Convenient O&M

- IP66, plug and play
- Compatible with all microinverter systems
- Local/remote upgrades, configuration, fault analysis

HYX-MS-2500
HYX-MS-2500B

Technical Specifications



HYX-MS-2500

Product Model	HYX-MS-2500
Capacity	2,560Wh
Expandable Capacity	2.56 - 10.24kWh
Cell Type	LiFePO4
Lifecycle	8000+ Cycles to 70% Capacity
Max. Input Power	600W*2
Number of MPPT	2
Input Voltage	12 - 60V
Input Current	18A*2
Output Power	400W*2 (Adjustable to 1,200W)
Output Voltage	12 - 60V
USB-A	2 ports, 5V / 2.4A, 9V / 2A, 12V / 1.5A; 18W Max. per port
TYPE-C	2 ports, 5 / 9 / 12 / 15 / 20V, 5A, 100W Max. per port
Battery Management System	OVP, UVP, OCP, SCP, OTP, UTP
Wireless	BT5.2+WIFI 2.4G
Charge Temperature	0 to +55°C
Discharge Temperature	-20 to +60°C
Dimensions (W*H*D)	490*350*255mm
Weight	25kg
Degree of Protection	IP66

Preliminary



HYX-MS-2500B

Product Model	HYX-MS-2500B
Capacity	2,560Wh
Cell Type	LiFePO4
Nominal Current	50A
Lifecycle	8,000+ Cycles to 70% Capacity
Battery Management System	OVP, UVP, OCP, SCP, OTP, UTP
Battery Input Voltage	51.2V
Charge Current/Discharge Current	50A
Output Power	400W*2 (Adjustable to 1,200W)
Output Voltage	12 - 60V
Charge Temperature	0 to +55°C
Discharge Temperature	-20 to +60°C
Dimensions (W*H*D)	490*300*255mm
Weight	18kg

Preliminary

HYX-M800-SW

Technical Specifications

Product Model		HYX-M800-SW
Input (DC)		
Typical Module Compatibility		320 - 600* W
Min./Max. MPPT Voltage		16 - 60V
Max. Input Voltage		65V
Start-up Input Voltage		20V
Max. Input Current		2*16A
Max. Short-circuit DC Input Current		2*20A
Output (AC)		
Nominal Output Power		800VA
Nominal Output Current		3.64A / 3.48A / 3.33A
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		10 / 11 / 12
Max. Units Per 12AWG Branch		8 / 8 / 9
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)		252*180*35mm
Degree of Protection		IP67
Cooling		Natural Cooling - No fans
Weight		3kg
Features		
Communication		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

