



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-M1200-SW-LV
Technical Specifications

Product Model	HYX-M1200-SW-LV
Input (DC)	
Typical Module Compatibility	360 - 670* W
Min./Max. MPPT Voltage	16 - 60V
Max. Input Voltage	65V
Start-up Input Voltage	20V
Max. Input Current	3*16A
Max. Short-circuit DC Input Current	3*20A
Number of MPPTs	3
Max. Input Number Per MPPT	1 / 1 / 2
Output (AC)	
Peak Output Power	1200VA
Max. Continuous Output Current	10A
Nominal Output Voltage / Range	120/90-150V
Nominal Frequency / Range	60Hz / 55-65Hz
Power Factor (default / adjustable)	>0.99 / 0.8 leading...0.8 lagging
THDi	< 3%
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)	310*236*35.5mm
Degree of Protection	IP67 (NEMA6)
Cooling	Natural Cooling - No fans
Weight	5kg
Features	
Communication	Built-in WiFi
Type of Isolation	High frequency transformers, Galvanically isolated
Protection	
Input Reverse Connection Protection	Yes
Output Overcurrent Protection	Yes
Output Overvoltage Protection	Yes
Anti-islanding Protection	Yes
Output Short-circuit Protection	Yes

