

BALCONY MICRO STORAGE SYSTEM HYX-MS-2500



Advanced Performance

- Dual MPPT with 1200W solar input for maximum power generation and efficiency
- Supports outdoor power applications, with USB-A and Type C charging interfaces

Flexible Adaptability

- Compatible with 99% microinverters
- Flexible Expansion, up to 10.24kWh

Assured Safety

- Reliable Performance indoors and out with IP66
- Worry-free Operation in -20°C extremely cold environments

Intelligent Design

- Plug&play Design for ultra-fast installation
- Large capacity design to maximize savings on household electricity bills

HYX-MS-2500

Technical Specifications

Product Model	HYX-MS-2500
PV Input	
Max. PV Input Power	1200W
Max. PV Input Voltage	60V
MPPT Voltage Range	12 ~ 60V
Max. PV Input Current	18A
Number of MPPT	2
Number of PV String per MPPT	1
Battery Output (To Microinverter)	
Nominal Output Apparent Power	800VA
Max. Output Apparent Power	1200VA
Rated Output Voltage / Range	12 ~ 60V
Max. Output Current	18A
Battery Output (To External Devices)	
USB-A (2 ports)	5/9/12V \rightleftharpoons 2A 24W Max, per port
TYPE-C (2 ports)	5/9/12/15V \rightleftharpoons 3A 20/28V \rightleftharpoons 5A 140W Max, per port
Battery	
Battery Type	LiFePO4
Battery Capacity	2.56kWh
Max. Expansion Capacity	10.24kWh (Up to 4 units)
Battery Nominal Voltage	51.2V
Max. Charging Power	1200W
Max. Charging Current	30A
Battery Cycle Life	\geq 6000 (@25°C \pm 2°C, 0.5C/0.5C, 70%EOL)
General	
Max. Output Efficiency	98%
MPPT Efficiency	99%
Ingress Protection	IP66
Charging Temperature Range	-20 to +55°C ¹
Discharging Temperature Range	-20 to +60°C
Max. Operating Altitude	3000m
Dimensions (W*H*D)	490*350*255mm
Weight	30kg
Display	LED
Cooling	Natural Cooling
Communication	WiFi & Bluetooth
Warranty	10 years
Certification	CE, ROHS

1: Support -20°C startup and automatically self-heat the device for a certain time to the charge temperature range.

Preliminary