

## Plug-in All-in-One Micro ESS

HYXI Halo PV  
HYX-MS3000 | HYX-MS3000B

Version 1.6-2605

Design and specifications are subject to change without notice



### Advanced Performance

- 4 MPPTs, 2400W PV Input
- 3014Wh | 10,000 Cycles | 10-Year Warranty
- 1500W Bidirectional Inverter Integrated
- 2300W Off-Grid, Portable Ready



### Intelligent Design

- Plug & Play, Install in 5 Minutes
- AI Optimization
- All-in-One System for Effortless Use
- RGB Smart Lighting



### Assured Safety

- 5-Level Safety Protection with Aerosol
- Automotive-Grade A+ Cells
- IP66 Protection



### Flexible Adaptability

- Stackable, up to 18.086kW
- Multi-Scenario Use
- Smart Meter Optimization
- Operates at -20°C with Self-Heating

## Technical Specifications

HYX-MS3000

Product Model	HYX-MS3000
<b>DC Input (PV Terminal)</b>	
Max. PV Input Power	2400W
Max. PV Input Voltage	60V
MPPT Voltage Range	16 ~ 60V
Start-up Voltage	20V
Max. PV Input Current	4 × 18A
Max. Input Short Circuit Current I <sub>sc</sub>	4 × 25A
No. of MPP Trackers	4
<b>AC Output (On-Grid Terminal)</b>	
Nominal Output Apparent Power	800W
Max. AC Output Apparent Power	1500VA (*Premium)
Rated AC Output Voltage / Range	220 or 230 or 240/183 ~ 276V
Nominal AC Frequency / Range	50/45 ~ 55 or 60/55 ~ 65Hz
Rated AC Output Current	3.64/3.48/3.34A
Max. AC Output Current	6.82/6.53/6.25A
Power Factor Range	0.8 leading to 0.8 lagging
THDi (Rated Power)	< 3%

## Technical Specifications

### HYX-MS3000

Product Mode	HYX-MS3000
<b>AC Input (On-Grid Terminal)</b>	
Max. AC Input Apparent Power	1500VA
Max. AC Input Current	6.82/6.53/6.25A
Rated AC Input Voltage / Frequency	220/230/240V, 50/60Hz
<b>AC Output (Off-Grid Terminal)</b>	
Rated AC Output Power	1500W
Max. AC Output Current	6.82/6.53/6.25A
Max. Bypass Output Power	2300VA
Max. Bypass Output Current	10.46/10.00/9.59A
Rated AC Output Voltage / Frequency	220/230/240V, 50/60Hz
<b>Battery Data</b>	
Battery Chemistry	LiFePO4
Battery Nominal Voltage	9.6V
Battery Nominal Energy	3014.4Wh
Max. Charging Power	1500W
Max. Discharging Power	1500W
Battery Cycle Life	≥10000 (@25°C±2°C, 60%EOL)
<b>Other Technical Specification</b>	
Display	LED & App
Ingress Protection Rating	IP66
Operating Ambient Temperature Range	-20 to +55°C*
Humidity	5% ~ 95% (No Condensing)
Altitude	3000m
Dimension (W*H*D)	460 × 279 × 281mm
Weight	29kg
Cooling Concept	Natural Cooling
Communication	Wi-Fi & Bluetooth
<b>Standard</b>	
Safety	IEC62109-1/-2
EMC	IEC62619, UN38.3, IEC/EN 61000-6-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4
Grid Connection Standard	VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1, G98, C10-11, UNE217002, NTS 2.1

\*Premium: Enabling this function must comply with local regulations and should only be performed by authorized personnel!

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

## Technical Specifications

HYX-MS3000B

Product Mode	HYX-MS3000B
<b>Battery Data</b>	
Battery Chemistry	LiFePO4
Battery Nominal Voltage	9.6V
Battery Nominal Energy	3014.4Wh
Max. Charging / Discharging Power	1500W/1500W
Battery Operating Voltage	6 ~ 10.95V
Battery Cycle Life	≥10,000 (@25°C±2°C, 60%EOL)
Parallel Capability (pcs)	5
<b>Other Technical Specification</b>	
Communication Interface	CAN
Dimension (W*D*H)	460 × 274 × 296.5mm
Weight	26kg
Operating Temperature Range	-20 to +55°C
Max. Operating Altitude	3000m
Relative Humidity	5% ~ 95% (No Condensing)
Certification	UN38.3, IEC62619, CE
Installation Style	Floor-Mounted