

Plug-in All-in-One Micro ESS

HYXI Halo PV

HYX-MS3000/HYX-MS3000-BP-1/HYX-MS3000-BP-2/

HYX-MS3000-BP-3/HYX-MS3000-BP-4/HYX-MS3000-BP-5/HYX-MS3000B

Version 1.6-2607

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/HYX-MS3000-BP Series

Product Model	HYX-MS3000	HYX-MS3000-BP Series
DC Input (PV Terminal)		
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 Isc	4 × 25A	
No. of MPP Trackers	4	
AC Output (On-Grid Terminal)		
Nominal Output Apparent Power	800W/1500W(*Premium)	
Max. AC Output Apparent Power	800VA/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/HYX-MS3000-BP Series

Product Mode	HYX-MS3000	HYX-MS3000-BP Series
AC Input (On-Grid Terminal)		
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	
AC Output (Off-Grid Terminal)		
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	
Battery Data		
Battery Chemistry	LiFePO4	
Battery Nominal Voltage	9.6V	
Battery Nominal Energy	3014.4Wh	
Max. Charging Power	1500VA	
Max. Discharging Power	1500VA	
Battery Cycle Life	≥10000 (@25°C±2°C, 60%EOL)	
Other Technical Specification		
Display	LED & App	
Ingress Protection Rating	IP66	
Operating Ambient Temperature Range	-20 to +55°C*	
Humidity	5% ~ 95% (No Condensing)	
Altitude	3000m	
Dimension (W*D*H)	460 × 281 × 279mm	MS3000-BP-1: 460 × 281 × 549mm MS3000-BP-2: 460 × 281 × 819mm MS3000-BP-3: 460 × 281 × 1089mm MS3000-BP-4: 460 × 281 × 1359mm MS3000-BP-5: 460 × 281 × 1629mm
Weight	28.5kg	MS3000-BP-1: 54.5kg MS3000-BP-2: 80.5kg MS3000-BP-3: 106.5kg MS3000-BP-4: 132.5kg MS3000-BP-5: 158.5kg
Cooling Concept	Natural Cooling	
Communication	Wi-Fi & Bluetooth	
Standard		
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
Battery Data	
Battery Chemistry	LiFePO4
Battery Nominal Voltage	9.6V
Battery Nominal Energy	3014.4Wh
Max. Charging / Discharging Power	1500VA/1500VA
Battery Operating Voltage	6 ~ 10.95V
Battery Cycle Life	≥10,000 (@25°C±2°C, 60%EOL)
Parallel Capability (pcs)	5
Other Technical Specification	
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