

HYXI Halo 5

Pulg-in AC-Coupled Micro ESS

HYX-MS5000AC

Version 1.7-2606

Design and specifications are subject to change without notice.



Advanced Performance

- 5024Wh | 10,000 Cycles | 10-Year Warranty
- 2500W Bidirectional Inverter Integrated
- 3000W Max Off-Grid, Portable Ready
- Operates at -20°C with Self-Heating



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

- Multi-Scenario Use
- Smart Meter Optimization
- Works with Any Solar System

Technical Specifications

HYX-MS5000AC

Product Model	HYX-MS5000AC
AC Output (On-Grid Terminal)	
Max. AC Output Apparent Power	2500VA
Nominal Output Apparent Power	800W (Default)/2500W (*Premium)
Rated AC Output Voltage / Range	220 or 230 or 240/183 ~ 276V.a.c.
Nominal AC Frequency / Range	50/45 ~ 55 or 60/55 ~ 65 Hz
Max. AC Output Current	10.42/10.87/11.37A.a.c.
Rated AC Output Current	3.64/3.48/3.34A.a.c. (Default) 10.42/10.87/11.37A.a.c. (*Premium)
Power Factor Range	>0.99 (Default)/0.8 Leading~0.8 Lagging (Adjustable)
THDi (Rated Power)	<3%
AC Input (On-Grid Terminal)	
Max. AC Input Apparent Power	2500VA
Rated AC Input Voltage / Range	220 or 230 or 240/183 ~ 276V.a.c.
Nominal AC Frequency / Range	50/45 ~ 55 or 60/55 ~ 65Hz
Power Factor Range	>0.99 (Default)/0.8 Leading~0.8 Lagging(Adjustable)
THDi (Rated Power)	<3%
AC Output (Off-Grid Terminal)	
Max. AC Output Power	3000VA, 10s
Rated Output Power	2500W
Rated Output Current	10.42/10.87/11.37A.a.c.
Rated AC Output Voltage / Frequency	220/230/240V, 50/60HZ
THDi (Linear Load)	<3%

Technical Specifications

HYX-MS5000AC

Product Model	HYX-MS5000AC
Battery Data	
Battery Chemistry	LiFePO4
Battery Nominal Voltage	16V
Battery Nominal Energy	5024Wh
Max. Charging Power	2500VA
Max. Discharging Power	2500VA
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
Dimensions (W × H × D)	460 × 279 × 279mm
Weight	43kg
Cooling Concept	Natural
Communication	WiFi & 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, CEI 0 21, EN50549-1, G98, C10-11, UNE217002

*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.