

AC-Coupled MICRO STORAGE SYSTEM HYX-MS3000AC



Advanced Performance

- 3014Wh large capacity, long battery life with 10000 cycles, 10 years warranty, 15 years design-life
- Support battery self-heating, usable at -20°C severe cold environment
- 3000W bidirectional inverter
- Max. 3000W off-grid power, portable use supported

Intelligent Design

- Plug and play, 2-minutes installation
- AI-powered cloud, automatically plan excess energy to maximize benefits according to the grid electricity prices
- All-in-one design, no need for an additional microinverter and offering all-in-one convenience and ease of use
- RGB intelligent lighting supported

Assured Safety

- Three levels of safety protection: early detection of risks, immediate warnings, and automatic triggering of protection mechanisms
- A+ grade cells with automotive-grade standard
- Safety at your hand with IP66

Flexible Adaptability

- Flexible stacking expansion, no external wiring required, up to 18.086kWh
- Wide application range: small residential, balcony, garden, outdoor
- Zero energy waste with shelly smart meter and our own smart meter
- Compatible with any existing solar system, no rewiring, no upgrades

HYX-MS3000AC
Technical Specifications

Product Model	HYX-MS3000AC
AC Output (on-grid terminal)	
Rated AC Output Power	800VA (Default)/1500(*Premium)
Max. AC Output Apparent Power	1500VA (Without Battery Pack) 3000VA (With Battery Pack)
Rated AC Output Voltage/Range	220 or 230 or 240 / 183 - 276V
Nominal AC Frequency/Range	50/45-55 or 60/55-65 Hz
Rated AC Output Current	3.64/3.48/3.34A (Default) 6.82/6.53/6.25A (*Premium)
Max. AC Output Current	6.82/6.53/6.25A (Without Battery Pack) 13.64/13.05/12.50A (With Battery Pack)
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	1500VA (Without Battery Pack) 3000VA (With Battery Pack)
Max. AC Input Current	220 or 230 or 240 / 183 - 276V
Rated AC Input Voltage/Range	50/45-55 or 60/55-65Hz
Nominal AC Frequency/Range	6.82/6.53/6.25A (Without Extension Battery Pack) 13.64/13.05/12.50A (With Extension Battery Pack)
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 Apparent Power	1500VA (Without Battery Pack) 3000VA (With Battery Pack)
Max. AC Output Current	6.82/6.53/6.25A (Without Battery Pack) 13.64/13.05/12.50A (With Battery Pack)
AC Nominal Output Voltage/Frequency	220 / 230 / 240V, 50/60Hz
THDu (Linear Load)	<3%
Battery Data	
Battery Chemistry	LiFePO4
Battery Nominal Voltage	9.6V
Battery Nominal Energy	3014Wh
Max. Charging Power	1500VA (Without Battery Pack) 3000VA (With Battery Pack)
Max. Discharging Power	1500VA (Without Battery Pack) 3000VA (With Battery Pack)
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*D*H)	460*281*279mm
Weight	28kg
Cooling Concept	Natural Cooling
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, G99, 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.