

MH-MIII

Series hybrid solar inverters

The Autarco MH-MIII series inverters offer the safest and most reliable performance for residential PV and storage systems. This hybrid inverter is compatible with LVR Syntero batteries but also numerous 3rd party brands, ensuring a versatile storage solution. Equipped with back-up power and advanced energy management functionality.

- + Max string input current 16A
- + Compatible with LVR Syntero series and various Lithium-ion LV batteries
- + Uninterrupted power supply, 10ms reaction
- + Higher charge-discharge efficiency, improving the economic benefits
- + Off-grid back up and energy management functions
- + 160% PV overdimensioning
- + Paralleling up to 6 units

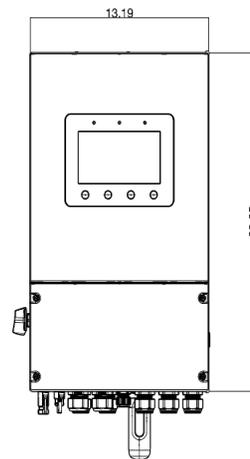


General characteristics

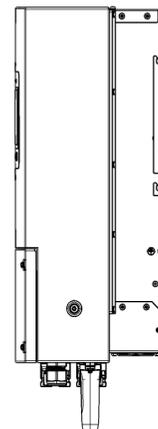
Dimensions (W x H x D)	335 x 560 x 253 mm
Net Weight	S2.MH(3000-5000)-MIII: 23 kg S2.MH(6000-8000)-MIII: 23.5 kg S2.MH10000-MIII: 23.8 kg
Mounting	Wall bracket
Max. site altitude	3000m
IP protection class	IP66
Topology	High frequency isolation (for battery)
Cooling principle	S2.MH(3000-5000)-MIII: Natural convection S2.MH(6000-10000)-MIII: Intelligent fan-cooling
Warranty	5 years, extendable to 15 years
Compatible battery types	Lithium-ion & Lead-acid
Display	7.0" LCD color screen display
Communication interfaces	2 x RS485, (Battery) 1 x CAN (Battery)
Optional interfaces	4G, WiFi and LAN (via USB data stick)
DC / AC connection	MC4 / Quick connection plug
Safety / EMC Standards	IEC/EN 62109-1/-2, EN 61000-6-2/-3
Operating temperature range	-40°C to +60°C
Relative humidity range	0% to 100%



Front



Side



Efficiency

Max. efficiency	> 97.1%
EU efficiency	> 96.5%
Back-up switch time (ms)	< 20

Note: The installing party is responsible for adhering to all local regulations.

The specifications contained in this datasheet may deviate slightly from our actual products due to on-going product improvement and are subject to change at any time

Protection

DC reverse-polarity protection	Integrated
Protection class/ Overvoltage category	I / II
Ground fault monitoring	Integrated
Integrated AFCI	Integrated
Short circuit protection	Integrated
Output over current protection	Integrated