



Microinverter Datasheet

HM-1200
HM-1500

Description

Hoymiles 4-in-1 microinverter is one of the most cost-effective module-level solar solutions, as it can support up to 4 panels at once and maximize the PV production of your installation.

Both models listed are equipped with reactive power control and can meet the requirements of EN 50549-1:2019, VDE-AR-N 4105:2018, UL 1741, etc. They're also designed with external antenna for stronger communication with Hoymiles gateway DTU.

Features

01

Easy installation, just plug and play

03

External antenna for stronger communication with DTU

02

With Reactive Power Control, compliant with VDE-AR-N 4105: 2018 & EN 50549-1: 2019

04

High reliability: IP67 (NEMA 6) enclosure, 6000 V surge protection

Technical Specifications

Model	HM-1200	HM-1500
Input Data (DC)		
Commonly used module power (W)	240–380	300–470
Peak power MPPT voltage range (V)	29–48	36–48
Start-up voltage (V)		22
Operating voltage range (V)		16–60
Maximum input voltage (V)		60
Maximum input current (A)	4 × 11.5	4 × 11.5
Output Data (AC)		
Rated output power (VA)	1200	1500
Rated output current (A)	5.45/5.22/5	6.82/6.52/6.25
Nominal output voltage (V)		220/230/240
Nominal output voltage range (V) ¹		180–275
Nominal frequency/range (Hz) ¹		50/45–55 or 60/55–65
Power factor (adjustable)		> 0.99 default 0.8 leading...0.8 lagging
Total harmonic distortion		< 3%
Maximum units per branch ²	4/4/4	3/3/3
Efficiency		
CEC peak efficiency		96.70%
CEC weighted efficiency		96.50%
Nominal MPPT efficiency		99.80%
Nighttime power consumption (mW)		< 50
Mechanical Data		
Ambient temperature range (°C)		-40 to +65
Dimensions (W × H × D mm)		280 × 176 × 33
Weight (kg)		3.75
Enclosure rating		Outdoor IP67 (NEMA 6)
Cooling		Natural convection (no fans)
Features		
Communication		2.4GHz Proprietary RF
Monitoring		S-Miles Cloud ³
Compliance	EN 50549-1: 2019, VDE-AR-N 4105: 2018, UL 1741, ABNT NBR 16150, IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-2/-3/-4, IEC/EN 61000-3-2/-3	

*1 Nominal voltage/frequency range can vary depending on local requirements.

*2 Refer to local requirements for exact number of microinverters per branch.

*3 Hoymiles Monitoring System.