



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

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

03 External antenna for stronger communication with DTU

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)	240-405+	300-505+
Maximum input voltage (V)		60
MPPT voltage range (V)		16-60
Start-up voltage (V)		22
Maximum input current (A)		4 × 11.5
Maximum input short circuit current (A)		4 × 15
Output Data (AC)		
Rated output power (VA)	1200	1500
Rated output current (A)	5.22	6.52
Nominal output voltage (V)		230/180-275
Nominal output voltage range (V) ¹		180-275
Nominal frequency/range (Hz) ¹		50/45-55
Power factor (adjustable)		> 0.99 default 0.8 leading...0.8 lagging
Total harmonic distortion		< 3%
Maximum units per branch ²	4	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
Type of isolation		Galvanically Isolated HF Transformer
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.