



Microinverter Datasheet

HM-600
HM-700
HM-800

Description

Hoymiles 2-in-1 microinverter can connect up to 2 panels at once and maximize the PV production of your installation.

All of the three 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-600			HM-700			HM-800		
Input Data (DC)									
Commonly used module power (W)	240 to 405+			280 to 470+			320 to 540+		
Maximum input voltage (V)	60								
MPPT voltage range (V)	16-60								
Start-up voltage (V)	22								
Maximum input current (A)	2 × 11.5			2 × 11.5			2 × 12.5		
Output Data (AC)									
Rated output power (VA)	600			700			800		
Rated output current (A)	2.73	2.61	2.5	3.18	3.04	2.92	3.64	3.48	3.33
Nominal output voltage/range (V) ¹	220/180-275	230/180-275	240/180-275	220/180-275	230/180-275	240/180-275	220/180-275	230/180-275	240/180-275
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%								
Nominal output voltage (V)	11	12	12	10	10	10	8	9	9
Maximum units per branch ²	7	7	8	6	6	6	5	5	6
Efficiency									
CEC peak efficiency	96.7%								
CEC weighted efficiency	96.5%								
Nominal MPPT efficiency	99.8%								
Nighttime power consumption (mW)	<50								
Mechanical Data									
Ambient temperature range (°C)	-40 to +65								
Dimensions (W × H × D mm)	250 × 170 × 28								
Weight (kg)	2.6								
Enclosure rating	Outdoor-IP67 (NEMA 6)								
Cooling	Natural convection – No fans								
Features									
Communication	2.4GHz Proprietary RF (Nordic)								
Monitoring	S-Miles Cloud ³								
Compliance	VDE-AR-N 4105: 2018, EN 50549-1: 2019, VFR 2019, 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.