



Microinverter Datasheet

HM-600
HM-700
HM-800

Description

Hoymiles 2-in-1 microinverter can connect up to 2 PV modules and maximize the PV production of your installation, offering a flexible and cost-effective solution.

All of these three models are equipped with reactive power control and can meet the requirements of AS/NZS 4777.2:2015. They're also designed with external antenna for stronger communication with Hoymiles gateway DTU.

Features

01

Easy installation, just plug and play

02

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

03

Grid protection relay integrated

04

Compliant with US. NEC2017/NEC2020 rapid shutdown

05

CEC listed



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)	2.61	2.5	3.04	2.92	3.48	3.33
Nominal output voltage/range (V) ¹	230/180-275	240/180-275	230/180-275	240/180-275	230/180-275	240/180-275
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	7	8	6	6	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)	3.0					
Enclosure rating	Outdoor-IP67 (NEMA 6)					
Cooling	Natural convection – No fans					
Features						
Communication	2.4GHz Proprietary RF (Nordic)					
Monitoring	S-Miles Cloud ³					
Warranty	12 years standard, 25 years optional					
Compliance	AS/NZS 4777.2:2015 ⁴ , 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

*4 Updating to AS/NZS 4777.2:2020