



Microinverter Datasheet

- HM-600
- HM-600P
- HM-700
- HM-700P
- 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 models are equipped with reactive power control and can meet the requirements of AS/NZS 4777.2:2020.

They're also designed with the external antenna for stronger communication with Hoymiles gateway DTU.

Features

01

Easy installation, just plug and play

03

Grid protection relay integrated

02

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

04

Compliant with the US NEC2017/NEC2020 rapid shutdown

Technical Specifications

Model	HM-600		HM-600P		HM-700		HM-700P		HM-800	
Input Data (DC)										
Commonly used module power (W)	240 to 405+		250 to 420+		280 to 470+		280 to 480+		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 × 11.5		2 × 11.5		2 × 12.5	
Maximum input short circuit current (A)	2 × 15									
Number of MPPTs	2									
Number of inputs per MPPT	1									
Output Data (AC)										
Rated output power (VA)	600		625		700		714		800	
Rated output current (A)	2.61	2.50	2.72	2.60	3.04	2.92	3.10	2.98	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	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	7	7	6	6	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										
Topology	High-Frequency Isolated Transformers									
Communication	2.4GHz Proprietary RF (Nordic)									
Country	Made in China									
Monitoring	S-Miles Cloud ³									
Warranty	12 years standard, 25 years optional									
Compliance	AS/NZS 4777.2:2020, 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