



# Microinverter Datasheet

**HM-600N**  
**HM-700N**  
**HM-800N**

## Description

Hoymiles 2-in-1 microinverter can connect up to 2 panels at once and maximize the PV production of your installation. With the maximum DC voltage of 60 V, Hoymiles microinverter is a PV Rapid Shutdown Equipment and conforms with NEC-2017 and NEC-2020 Article 690.12 and CEC-2021 Sec 64-218.

All of the three models listed are equipped with reactive power control and are compliant with IEEE 1547, UL 1741 and CA Rule21.

## Features

01

Easy installation, just plug and play

02

With Reactive Power Control, compliant with CA Rule 21

03

Compliant with U.S. NEC-2017&amp;NEC-2020 690.12 rapid shutdown

04

External antenna for stronger communication with DTU

05

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

## Technical Specifications

Model	HM-600N		HM-700N		HM-800N	
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	
Maximum input short circuit current (A)			2 × 15			
Number of MPPTs			2			
Number of inputs per MPPT			1			
Output Data (AC)						
Peak output power (VA)	600		700		800	
Maximum continuous output power (VA)	590		696		766	
Maximum continuous output current (A)	2.46	2.84	2.90	3.35	3.19	3.68
Nominal output voltage/range (V) <sup>1</sup>	240/211-264	208/183-228	240/211-264	208/183-228	240/211-264	208/183-228
Nominal frequency/range (Hz) <sup>1</sup>	60/55-65					
Power factor (adjustable)	>0.99 default 0.8 leading ... 0.8 lagging					
Total harmonic distortion	<3%					
Maximum units per branch <sup>2</sup>	6	5	5	4	5	4
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					
Enclosure rating	Outdoor-NEMA 6 (IP67)					
Cooling	Natural convection – No fans					
Features						
Communication	2.4GHz Proprietary RF (Nordic)					
Monitoring	S-Miles Cloud <sup>3</sup>					
Warranty	Up to 25 years					
Compliance	UL 1741, IEEE 1547, UL 1741 SA (240 Vac), CA Rule 21 (240 Vac), CSA C22.2 No. 107.1-16, FCC Part 15B, FCC Part 15C					
PV Rapid Shutdown	Conforms with NEC-2017 and NEC-2020 Article 690.12 and CEC-2021 Sec 64-218 Rapid Shutdown of PV Systems					

\*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.