



# Microinverter Datasheet

**HM-300**  
**HM-350**  
**HM-400**

## Description

Hoymiles 1-in-1 microinverter is one of the most flexible solar solutions, which can be connected to one PV module and used in various settings.

All of these three models are equipped with reactive power control and can meet the requirements of AS/NSS 4777.2:2020. 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-300		HM-350		HM-400	
<b>Input Data (DC)</b>						
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)	11.5		11.5		12.5	
Number of MPPTs			1			
Number of Inputs per MPPT			1			
<b>Output Data (AC)</b>						
Rated output power (VA)	300		350		400	
Rated output current (A)	1.3	1.25	1.52	1.46	1.74	1.67
Nominal output voltage/range (V) <sup>1</sup>	230/180-275	240/180-275	230/180-275	240/180-275	230/180-275	240/180-275
Nominal frequency/range (Hz) <sup>1</sup>			50/45-55			
Power factor (adjustable)			>0.99 default 0.8 leading ... 0.8 lagging			
Total harmonic distortion			<3%			
Maximum units per branch <sup>2</sup>	15	16	13	13	11	11
<b>Efficiency</b>						
CEC peak efficiency			96.7%			
CEC weighted efficiency			96.5%			
Nominal MPPT efficiency			99.8%			
Nighttime power consumption (mW)			<50			
<b>Mechanical Data</b>						
Ambient temperature range (°C)			-40 to +65			
Dimensions (W × H × D mm)			182 × 164 × 29.5			
Weight (kg)			1.98			
Enclosure rating			Outdoor-IP67 (NEMA 6)			
Cooling			Natural convection – No fans			
<b>Features</b>						
Communication			2.4GHz Proprietary RF (Nordic)			
Monitoring			S-Miles Cloud <sup>3</sup>			
Warranty			12 years standard, 25 years optional			
Compliance			AS/NSS 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