



Microinverter Datasheet

HME-1200-AU
HME-1350-AU
HME-1500-AU

Description

Designed for more demanding environments, our 4-in-1 microinverters support up to 4 PV modules and maximize power generation - the best cost-effective solution you can get.

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	HME-1200-AU	HME-1350-AU	HME-1500-AU
Input Data (DC)			
Commonly used module power (W) ¹	240 to 405+	270 to 455+	300 to 505+
Peak power MPPT voltage range (V)	29-48	32-48	36-48
Start-up voltage (V)	22		
Operating voltage range (V)	16-60		
Maximum input voltage (V)	60		
Maximum input current (A)	4 × 11.5	4 × 11.5	4 × 11.5
Output Data (AC)			
Rated output apparent power (VA)	1200	1350	1500
Rated output current (A)	5/5.22	5.87/5.63	6.25/6.52
Nominal output voltage range (V) ²	230/180-275 / 240/180-275		
Nominal frequency/range (Hz) ²	50/45-55		
Power factor (adjustable)	>0.99 default 0.8 leading...0.8 lagging		
Total harmonic distortion	<3%		
Maximum units per branch	4/4	4/4	3/3
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)	326 × 176 × 33		
Weight (kg)	4.35		
Enclosure rating	Outdoor-IP67 (NEMA 6)		
Cooling	Natural convection – No fans		
Features			
Communication	2.4GHz Proprietary RF		
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