



Microinverter Datasheet

HME-1200-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.

Both models are equipped with reactive power control and can meet the requirements of AS/NZS 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

Technical Specifications

Model	HME-1200-AU		HME-1500-AU	
Input Data (DC)				
Commonly used module power (W)	240 to 405+		280 to 505+	
Maximum input voltage (V)			60	
Range of peak power MPPT voltage (V)	29-48		36-48	
Range of input operating voltage (V)			16-60	
Start-up voltage (V)			22	
Maximum input current (A)	4 × 11.5		4 × 11.5	
Maximum input short circuit current (A)			4 × 15	
Output Data (AC)				
Rated output power (VA)	1200		1500	
Rated output current (A)	5.22	5.00	6.52	6.25
Nominal output voltage/range (V) ¹	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	3	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)	3.8			
Enclosure rating	Outdoor-IP67 (NEMA 6)			
Cooling	Natural convection – No fans			
Features				
Topology	High-Frequency Isolated Transformers			
Country	Made in China			
Communication	2.4GHz Proprietary RF (Nordic)			
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