



Microinverter Datasheet

- HMT-1600-4T-208-NA**
- HMT-1800-4T-208-NA**
- HMT-2000-4T-208-NA**

Description

Hoymiles new generation microinverter HMT-2000-4T-208-NA series is designed to accommodate the high-powered PV modules, with maximum output power up to 2000 VA and maximum DC input current up to 16 A.

The innovative 4-input design enables faster installation and lower cost, and makes the HMT-2000-4T-208-NA series a very cost-effective choices.

The new Sub-1G wireless solution enables more stable communication with Hoymiles gateway DTU. Smart platform S-Miles Cloud makes it possible to module-level monitoring and remote O&M.

Features

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| 01 | Three-phase output, more suitable for commercial and industrial applications | 04 | 4-in-1 design enables faster installation and comes with a lower cost |
| 02 | With output power up to 2000 VA, compatible with 182 mm/210 mm PV module | 05 | Safer for rooftop solar stations with rapid shutdown compliance and isolated transformer |
| 03 | Designed for North American grids with a three-phase Delta network | 06 | Sub-1G wireless solution allows stable communication in commercial and industrial settings |

Technical Specifications

	HMT-1600-4T-208-NA	HMT-1800-4T-208-NA	HMT-2000-4T-208-NA
Input Data (DC)			
Commonly used module power (W)	320 to 540+	360 to 600+	400 to 670+
Maximum input voltage (V)	65		
MPPT voltage range (V)	16-60		
Minimum/Maximum start-up voltage (V)	22/60		
Maximum input current (A)	4 × 14	4 × 15	4 × 16
Maximum input short circuit current (A)	4 × 25		
Number of MPPTs	2		
Number of inputs per MPPT	2		
Output Data (AC)			
Grid type	120/208, 3Φ/PE/N(Neutral optional)		
Peak output power (VA)	1600	1800	2000
Maximum continuous output power (VA)	1440	1728	1918
Maximum continuous output current (A)	4	4.8	5.33
Nominal output voltage (V)	208		
Nominal output voltage range (V) ¹	183-228		
Nominal frequency/range (Hz) ¹	60/55-65		
Power factor (adjustable)	>0.99 default 0.85 leading ... 0.85 lagging		
Total harmonic distortion	< 3%		
Maximum units per 10 AWG branch ²	6	5	4
Maximum units per 12 AWG branch ²	4	3	3
Efficiency			
CEC peak efficiency	96.50%		
Nominal MPPT efficiency	99.80%		
Night power consumption (mW)	< 50		
Mechanical Data			
Ambient temperature range (°F)	-40°F to 149°F (-40 to +65°C)		
Storage temperature range (°F)	-40°F to 185°F (-40 to +85°C)		
Dimensions (W × H × D [inch])	12.83 × 8.74 × 1.6 (326 × 222 × 40.6 mm)		
Weight (lbs)	12.79 (5.8 kg)		
Enclosure rating	Outdoor-IP67		
Cooling	Natural convection-No fans		
Features			
Communication	Sub-1G		
Topology	Galvanically Isolated HF Transformer		
Monitoring	S-Miles Cloud ³		
Compliance	UL 1741, IEEE 1547, UL 1741 SB, CSA C22.2 No. 107.1-16 FCC 15B, FCC 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