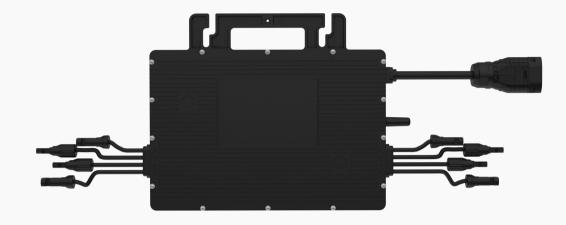
hoymiles



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

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 \times H \times 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			
Тороlоду	Galvanically Isolated HF Transformer			
Monitoring	S-Miles Cloud ³			
Compliance	ance 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