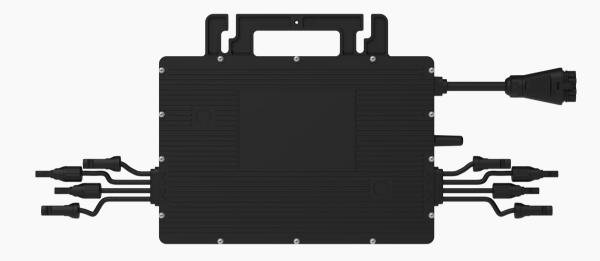
## hoymiles



# Microinverter Datasheet

HMT-1600-4T HMT-1800-4T HMT-2000-4T

### Description

Hoymiles new generation microinverter HMT-2000 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 HMT-2000 series a very cost-effective choice.

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
02	With output power up to 2000 VA, compatible with 182 mm/210 mm PV module	05
03	Grid protection relay integrated	06

04	4-in-1 design enables faster installation and comes with a lower cost
05	Safer for rooftop solar stations with rapid shutdown compliance and isolated transformer
06	Sub-1G wireless solution allows stable communication in commercial and industrial settings

#### **Technical Specifications**

Model	HMT-1600-4T	HMT-1800-4T	HMT-2000-4T	
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		Three Phase		
Rated output power (VA)	1600	1800	2000	
Rated output current (A)	2.32 × 3	2.61 × 3	2.9 × 3	
Nominal output voltage (V) 230/400,				
Nominal frequency (Hz)		50		
Power factor (adjustable)		> 0.99 default		
Total harmonic distortion		< 3%		
Maximum units per 10 AWG branch <sup>1</sup>	13	12	11	
Maximum units per 12 AWG branch <sup>1</sup>	8	7	6	
Efficiency				
CEC peak efficiency		96.50%		
Nominal MPPT efficiency		99.80%		
Night power consumption (mW) < 50				
Mechanical Data				
Ambient temperature range (°C)		-40 to +65		
Storage temperature range (°C)	-40 to +85			
Dimensions (W × H × D [mm])		326 × 222 × 40.6		
Weight (kg)		5.9		
Enclosure rating	Outdoor-IP67			
Cooling	Natural convection-No fans			
Features				
Communication	Sub-1G			
Type of isolation	Galvanically Isolated HF Transformer			
Monitoring	S-Miles Cloud <sup>2</sup>			
Compliance	VDE-AR-N 4105: 2018, EN 50549-1:2019, VFR 2019, IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-2/-3/-4, IEC/EN 61000-3-2/-3			

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