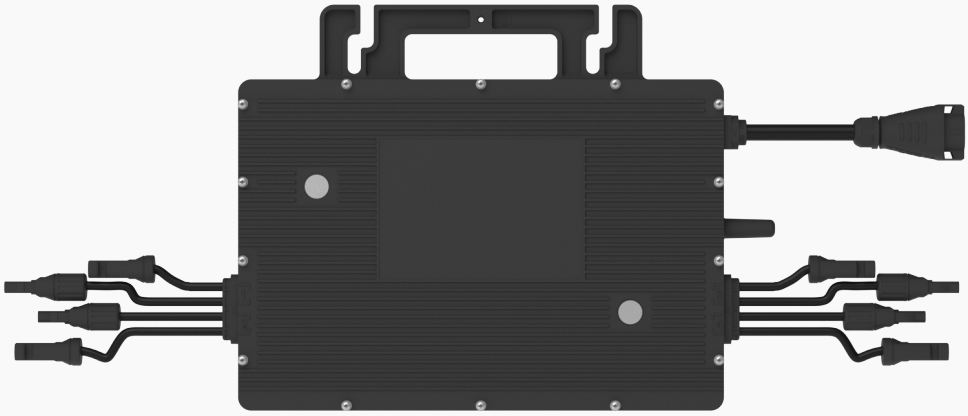

Microinverter Datasheet

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

02 With output power up to 2000 VA, compatible with 182 mm/210 mm PV module

03 Grid protection relay integrated

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

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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, 3W+N+PE	
Nominal frequency (Hz)		50	
Power factor (adjustable)		> 0.99 default	
Total harmonic distortion		< 3%	
Maximum units per 12 AWG branch[1]	8	7	6
Maximum units per 10 AWG branch[1]	13	12	11
Efficiency			
CEC peak efficiency		96.50%	
Nominal MPPT efficiency		99.80%	
Night power consumption (mW)		< 50	
Mechanical Data			
Ambient temperature range (℃)		-40 to +65	
Storage temperature range (℃)		-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[2]	
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	

*1 Refer to local requirements for exact number of microinverters per branch.
*2 Hoymiles Monitoring System