



Microinverter Datasheet

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

Technical Specifications

Model	HMT-2000-4T
Input Data (DC)	
Commonly used module power (W)	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 × 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
Maximum continuous output power (VA)	2000
Maximum continuous output current (A)	3.03 × 3
Nominal output voltage (V)	220/380, 3W+N+PE
Nominal frequency (Hz)	60
Power factor (adjustable)	> 0.99 default
Total harmonic distortion	< 3%
Maximum units per 12 AWG branch ¹	6
Maximum units per 10 AWG branch ¹	10
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 ²
Compliance	ABNT NBR 16149:2013; ABNT NBR 16150:2013

*1 Refer to local requirements for exact number of microinverters per branch.

*2 Hoymiles Monitoring System