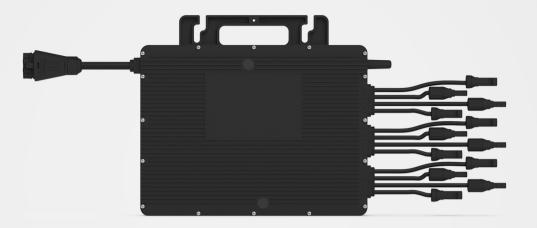
hoymiles



Microinverter Datasheet

HMT-1800 HMT-2250

Description

The world's first three-phase microinverter with Reactive Power Control, can be widely used in the general 230 V/400 V three-phase electric power distribution.

Each microinverter, with up to 6 PV modules connected, simplifies the installation process and ranks among the most cost-effective solutions for commercial and industrial installations.

New Sub-1G wireless solution enables more stable communication with Hoymiles gateway DTU.

Features

03

01	Three-phase output, more suitable for comment industrial applications
02	Up to 2250 VA output, adapted to mainstream high-powered PV modules

Each microinverter supports up to 6 modules, faster installation and lower cost

suitable for commercial and

04

With Reactive Power Control, compliant with EN 50549-1: 2019, VDE-AR-N 4105: 2018, TOR Erzeuger: 2019-12, etc.

Sub-1G wireless solution enables the stable 05 communication for commercial and industrial stations

Technical Specifications

Model	HMT-1800-6T	HMT-2250-6T	
Input Data (DC)			
Commonly used module power (W)	240 to 405+	300 to 505+	
Maximum input voltage (V)		60	
MPPT voltage range (V)		16–60	
Start-up voltage (V)		22	
Maximum input current (A)	6	5 × 11.5	
Maximum input short circuit current (A)		6×15	
Number of MPPTs		3	
Number of Inputs per MPPT		2	
Output Data(AC)			
Grid connection	Three phase		
Rated output power (VA)	1800	2250	
Rated output current (A)	2.61 × 3	3.26 × 3	
Nominal output voltage/range (V) ¹	230/400, 3W+N+PE		
Nominal frequency/range (Hz) ¹	50	0/45-55	
Power factor (adjustable)	> 0.99 default 0.8 leading0.8 lagging		
Total harmonic distortion		< 3%	
Maximum units per 10 AWG branch ²	11	9	
Maximum units per 12 AWG branch ²	7	6	
Efficiency			
CEC peak efficiency	96.5%		
Nominal MPPT efficiency	99.8%		
Night power consumption (mW)	< 50		
Mechanical Data			
nbient temperature range (°C) -40 to +65		0 to +65	
Dimensions (W × H × D [mm])	330 × 250 × 35	330 × 250 × 37	
Weight (kg)	5.5	6.0	
Enclosure rating	IP67		
Cooling	Natural convection-No fans		
Features			
Communication	Sub-1G		
Type of isolation	Galvanically Isolated HF Transformer		
Monitoring	S-Miles Cloud ³		
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 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