Microinverter Datasheet

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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

01 Three-phase output, more suitable for commercial and industrial applications

02 Up to 2250 VA output, adapted to mainstream high-powered PV modules

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

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

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

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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 × 11.5	
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 (V)[1]	50/45-55	
Power factor (adjustable)	>0.99 default 0.8 leading...0.8 lagging	
Total harmonic distortion	<3%	
Maximum units per 10AWG branch[2]	11	9
Maximum units per 12AWG branch[2]	7	6
Efficiency		
CEC peak efficiency	96.5%	
Nominal MPPT efficiency	99.8%	
Night power consumption (mW)	< 50	
Mechanical Data		
Ambient temperature range (℃)	-40 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	
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