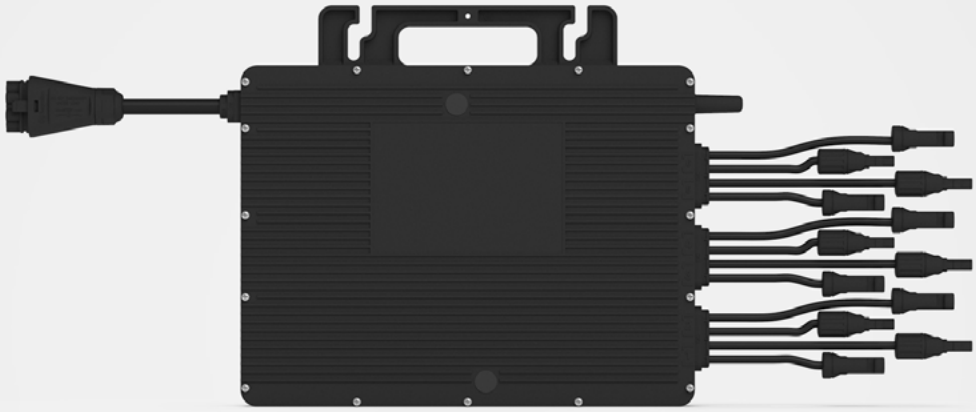

Microinverter Datasheet

HMT-1800
HMT-2250

Description

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

Features

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

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

03 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

04 With Reactive Power Control, meets the requirements of EN50549-1:2019, VDE-AR-N 4105:2018, TOR Erzeuger : 2019-12, etc.

05 The Sub-1G wireless solution enables the stable communication when installed 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)	240~380	300~470
Peak power MPPT voltage range(V)	29~48	36~48
Start-up voltage(V)	22	
Operating voltage range(V)	16~60	
Maximum input voltage(V)	60	
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]	230Vac/400Vac, 3W+N+PE	
Nominal frequency/range(Hz)[1]	50/60	
Power factor(adjustable)	>0.99 default 0.8 leading...0.8 lagging	
Total harmonic distortion	<3%	
Maximum units per 12AWG branch [2]	7	6
Maximum units per 10AWG branch [2]	11	9
Efficiency		
CEC peak efficiency	96.5%	
Nominal MPPT efficiency	99.8%	
Night power consumption(mW)	< 50	
Mechanical Data		
Ambient temperature range(℃)	-40 ~ +65	
Dimensions(W×H×D mm)	330*250*35	330*250*37
Weight(kg)	5.5	6.0
Enclosure rating	Outdoor-NEMA6(IP67)	
Cooling	Natural convection-No fans	
Features		
Communication	Sub-1G	
Monitoring	Hoymiles Monitoring System	
Compliance	VDE-R-N 4105: 2018, EN 50549-1: 2019, TOR Erzeuger : 2019-12, IEC/EN 62109-1/-2, IEC/EN 61000-3-2/-3, IEC/EN 61000-6-1/-2/-3/-4	

*1 Nominal voltage/frequency range can be changed due to the requirements of local power department.
*2 Refer to local requirements for exact number of microinverters per branch.