



Microinverter Datasheet

HMS-900
HMS-1000

Description

With the output power up to 1000VA, Hoymiles new microinverter HMS-1000 ranks among the highest for 2 in 1 microinverters.

Each microinverter connects up to 2 PV modules with independent MPPT and monitoring, makes greater energy harvest and easier maintenance.

New Sub-1G wireless solution enables more stable communication when installed for any installation environment.

Features

01

Highest-powered microinverter for 2 in 1 with output power up to 1000VA

02

With Reactive Power Control, meets the requirements of EN50549-1:2019, VDE-AR-N 4105:2018, UL1741, ABNT NBR 16150, etc.

03

Safer for rooftop solar stations with rapid shutdown compliant and isolated transformer

04

Independent MPPT and monitoring makes greater energy harvest and easier maintenance

05

Each microinverter supports up to 2 modules, faster installation and good adaptability to all kinds of module arrangement

06

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

Technical Specifications

Model	HMS-900-2T			HMS-1000-2T		
Input Data(DC)						
Commonly used module power(W)	360~565			400~625		
Peak power MPPT voltage range(V)	36~48			38~48		
Start-up voltage(V)	22					
Operating voltage range(V)	16~60					
Maximum input voltage(V)	60					
Maximum input current(A)	2*13.3			2*14		
Output Data(AC)						
Rated output power(VA)	900			1000		
Rated output current(A)	4.09	3.91	3.75	4.55	4.35	4.17
Nominal output voltage/range(V) ¹	220/180-275	230/180-275	240/180-275	220/180-275	230/180-275	240/180-275
Nominal frequency/range(Hz) ¹	50/45-55 or 60/55-65					
Power factor(adjustable)	>0.99 default 0.8 leading...0.8 lagging					
Total harmonic distortion	<3%					
Maximum units per 10AWG branch ²	7	8	8	7	7	7
Efficiency						
CEC peak efficiency	96.5%					
Nominal MPPT efficiency	99.8%					
Night power consumption(mW)	< 50					
Mechanical Data						
Ambient temperature range(°C)	-40 ~ +65					
Dimensions(W×H×D mm)	261*223*31					
Weight(kg)	3.0					
Enclosure rating	Outdoor-NEMA6(IP67)					
Cooling	Natural convection-No fans					
Features						
Communication	Sub-1G					
Monitoring	Hoymiles Monitoring System					
Compliance	EN 50549-1: 2019, VDE-R-N 4105: 2018, UL1741, ABNT NBR 16150, 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 be changed due to the requirements of local power department.

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