



Microinverter Datasheet

HMS-1600 HMS-1800 HMS-2000

Description

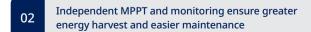
With the output power up to 2000 VA, Hoymiles new microinverter HMS-2000 series rank among the highest for 4-in-1 microinverters.

All of these three models listed are equipped with reactive power control and can meet the requirements of EN 50549-1:2019, VDE-AR-N 4105:2018, UL 1741, etc.

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

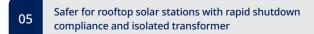
Features





With Reactive Power Control, compliant with EN 50549-1:2019, VDE-AR-N 4105:2018, UL 1741, ABNT NBR 16150, etc.







Technical Specifications

Model	HMS-1600-4T				HMS-1800-4T				HMS-2000-4T				
Input Data (DC)													
Commonly used module power (W)	320 to 540+				360 to 600+				400 to 670+				
Maximum input voltage (V)					65								
MPPT voltage range (V)						16-	-60						
Start-up voltage (V)						2	2						
Maximum input current (A)	4×14				4 × 15				4×16				
Maximum input short circuit current (A)					4 × 25								
Number of MPPTs					4								
Number of Inputs per MPPT					1								
Output Data (AC)													
Rated output power (VA)	1600				1800				2000				
Rated output current (A)	7.69	7.27	6.96	6.67	8.65	8.18	7.83	7.50	9.62	9.09	8.70	8.33	
Nominal output voltage	208	220	230	240	208	220	230	240	208	220	230	240	
Nominal output range (V) ¹	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	4	4	4	4	3	3	4	4	3	3	3	3	
Efficiency													
CEC peak efficiency	96.70%				96.50%				96.50%				
Nominal MPPT efficiency					99.80%								
Night power consumption (mW)	< 50												
Mechanical Data													
Ambient temperature range (°C)	-40 to +65												
Dimensions (W × H × D mm)	331 × 218 × 40.6												
Weight (kg)	5.56												
Enclosure rating	Outdoor-IP67 (NEMA 6)												
Cooling	Natural convection-No fans												
Features													
Communication	Sub-1G												
Type of isolation	Galvanically Isolated HF Transformer												
Monitoring		S-Miles Cloud ³											
Compliance			UL	1741, A	BNT NBF	R 16150:2	2013, ABI	NT NBR 1	16149:20	113			

^{*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