



## Microinverter Datasheet

**HMS-1600DW-4T**  
**HMS-1800DW-4T**  
**HMS-2000DW-4T**

### Description

Hoymiles new generation microinverter HMS-2000DW series is designed to accommodate high-powered PV modules, with maximum output power up to 2000 VA and maximum DC input current up to 16 A.

The innovative 4-input design enables faster installation and lower cost, and makes the HMS-2000DW series a very cost-effective choice.

The integrated Wi-Fi module enables more convenient communications and simpler configurations between the microinverter and smart platform S-Miles Cloud.

### Features

- 01
Built-in Wi-Fi module enables quicker and easier installation and commissioning

02
The industrial-grade Wi-Fi module brings higher microinverter reliability

03
With output power up to 2000 VA, compatible with 182 mm/210 mm PV module
- 04
4-in-1 design enables faster installation and lower cost

05
Safer for rooftop solar stations with rapid shutdown compliance and isolated transformer

06
IP67 (NEMA 6) protection degree, adapt to outdoor use

## Technical Specifications

Model	HMS-1600DW-4T				HMS-1800DW-4T				HMS-2000DW-4T			
<b>Input Data (DC)</b>												
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											
Minimum/Maximum start-up voltage (V)	22/60											
Maximum input current (A)	4 × 14				4 × 15				4 × 16			
Maximum input short circuit current (A)	4 × 25											
Number of MPPTs	2											
Number of inputs per MPPT	2											
<b>Output Data (AC)</b>												
Maximum continuous output power (VA)	1600				1800				2000			
Maximum continuous 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 (V)	208	220	230	240	208	220	230	240	208	220	230	240
Output voltage range (V) <sup>1</sup>	180-275											
Nominal frequency/range (Hz) <sup>1</sup>	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 10 AWG branch <sup>2</sup>	4	4	4	4	3	3	4	4	3	3	3	3
<b>Efficiency</b>												
CEC peak efficiency	96.70%				96.50%				96.50%			
Nominal MPPT efficiency	99.80%											
Night power consumption (mW)	< 50											
<b>Mechanical Data</b>												
Ambient temperature range (°C)	-40 to +65											
Dimensions (W × H × D [mm])	310 × 185 × 40.6											
Weight (kg)	4.5											
Enclosure rating	Outdoor-IP67 (NEMA 6)											
Cooling	Natural convection – No fans											
<b>Features</b>												
Communication	Wi-Fi											
Topology	Galvanically Isolated HF Transformer											
Monitoring	S-Miles Cloud <sup>3</sup>											
Compliance	UL 1741, ABNT NBR 16150:2013, ABNT NBR 16149:2013											

\*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