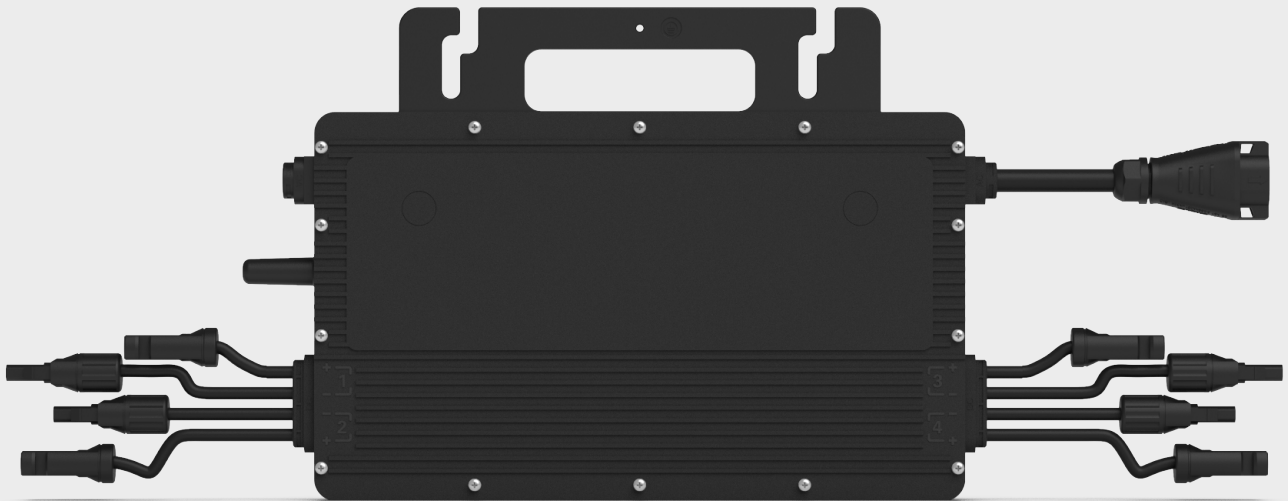




Microinverter Datasheet

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

Description

Hoymiles new generation microinverter HMS-2000DW-4T 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-4T series a very costeffective 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 modules

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

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

Technical Specifications

Model	HMS-1600DW-4T				HMS-1800DW-4T				HMS-2000DW-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											
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 × 20											
Number of MPPTs	2											
Number of inputs per MPPT	2											
Output Data (AC)												
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/range (V)*	208/ 180-275	220/ 180-275	230/ 180-275	240 180-275	208/ 180-275	220/ 180-275	230/ 180-275	240 180-275	208/ 180-275	220/ 180-275	230/ 180-275	240 180-275
Nominal frequency/range (Hz)*	50/45–55 or 60/55–65											
Adjustable power factor (@nominal power)	> 0.99 default 0.8 leading ... 0.8 lagging											
Total harmonic distortion (@nominal power)	< 3%											
Maximum units per 10 AWG branch**	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 (°F)	-40 to +149 (-40 to +65°C)											
Dimensions (W × H × D [inch])	12.20 × 7.28 × 1.60 (310 × 185 × 40.6 mm)											
Weight (lbs)	9.92 (4.5 kg)											
Enclosure rating	Outdoor-NEMA 6 (IP67)											
Cooling	Natural convection – No fans											
Features												
Communication	Wi-Fi											
Topology	Galvanically Isolated HF Transformer											
Monitoring	S-Miles Cloud (Hoymiles Monitoring Platform)											
Compliance	UL 1741, ABNT NBR 16150:2013, ABNT NBR 16149:2013											
* : Nominal voltage/frequency range can vary depending on local requirements. **: Refer to local requirements for exact number of microinverters per branch.												