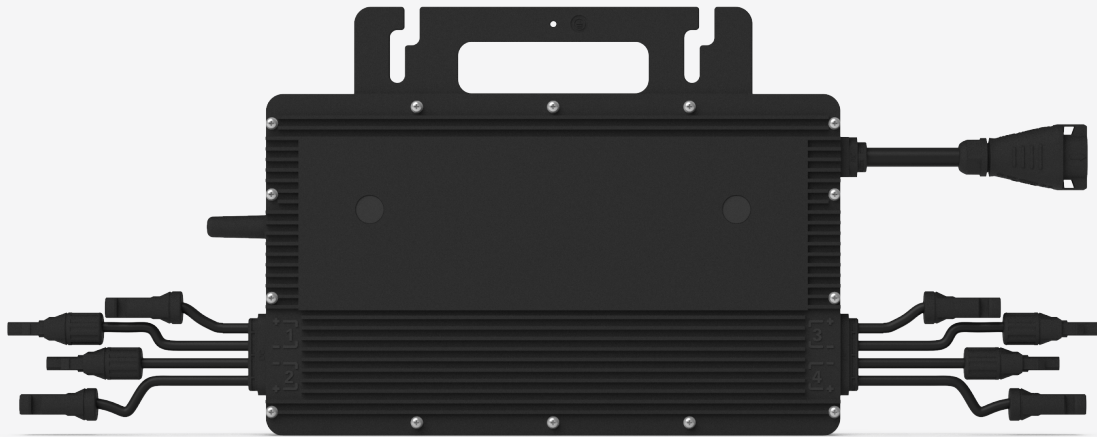




Microinverter Datasheet

HMS-1400C-4T
HMS-1600C-4T
HMS-1800C-4T
HMS-2000C-4T

Description

Hoymiles 4-in-1 microinverter HMS-2000C features 4 input channels, significantly lowering installation costs.

All of these models listed are connected to an intelligent monitoring system to track individual modules' performance over time and offer superior energy production.

The new Sub-1G wireless solution enables more stable communication under various environmental conditions.

Features

01

High-powered microinverter with output power up to 2000 VA.

02

99.8% MPPT efficiency and module-level monitoring ensure greater energy harvest and easier maintenance.

03

Comply with EN 50549-1:2019, VDE-AR-N 4105:2018, UL 1741, VFR 2019, etc.

04

4-in-1 design maximizes efficiency and reduces costs.

05

Sub-1G wireless solution allows stable communication in commercial and industrial settings

06

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

Technical Specifications

Model	HMS-1400C-4T				HMS-1600C-4T			HMS-1800C-4T			HMS-2000C-4T		
Input Data (DC)													
Commonly used module power (W)	280 to 470+				320 to 540+			360 to 600+			400 to 670+		
Maximum input voltage (V)	65												
MPPT voltage range (V)	16-60												
Start-up voltage (V)	22												
Minimum operating PV voltage (V)	16												
Maximum input current (A)	4 × 13				4 × 14			4 × 15			4 × 15		
Maximum input short circuit current (A)	4 × 20				4 × 25			4 × 25			4 × 25		
Number of MPPTs	2												
Number of Inputs per MPPT	2												
Output Data (AC)													
Rated output power (VA)	1400				1600			1800			2000		
Rated output current (A)	6.36	6.09	5.83	7.27	6.96	6.67	8.18	7.83	7.50	9.09	8.70	8.33	
Nominal output voltage/range (V) ¹	220/180~275	230/180~275	240/180~275	220/180~275	230/180~275	240/180~275	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 branch ²	4	4	4	4	4	4	3	4	4	3	3	3	
Efficiency													
Maximum Efficiency	96.7%				96.7%			96.5%			96.5%		
Nominal MPPT efficiency	99.80%												
Night power consumption (mW)	< 50												
Mechanical Data													
Ambient temperature range (°C)	-40 to +65												
Dimensions (W × H × D [mm])	332 × 197 × 41												
Weight (kg)	5.2												
Altitude (m)	2000												
Enclosure rating	Outdoor-IP67 (NEMA 6)												
Cooling	Natural convection – No fans												
Features													
Series	HMS												
Communication	Sub-1G												
Topology	Galvanically Isolated HF Transformer												
Country	Made in China												
Monitoring	S-Miles Cloud ³												
Compliance	AS 4777.2:2020, EN 50549-1: 2019, VDE-AR-N 4105: 2018, VFR2019, UL 1741, 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.

*3 Hoymiles Monitoring System