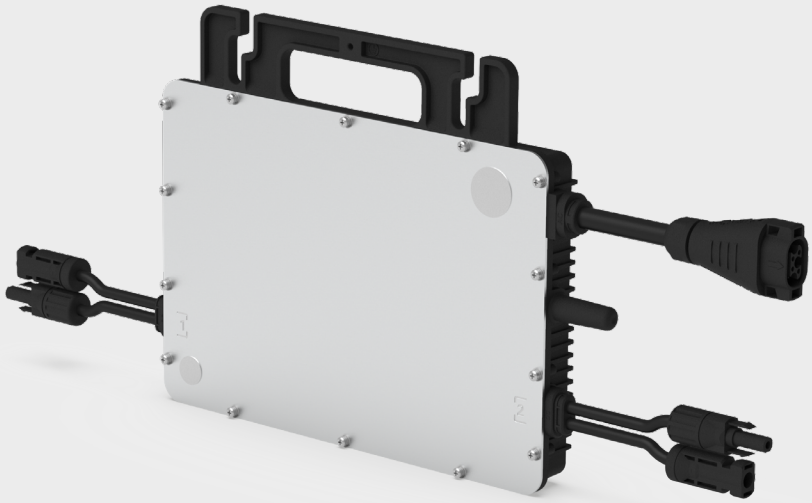


# Microinverter Datasheet

**HMS-600-2T**
**HMS-700-2T**
**HMS-800-2T**
**HMS-900-2T**
**HMS-1000-2T**

## Description

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

Each microinverter can connect up to 2 panels, with independent MPPT and monitoring maximizing the power production of your installation.

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

## Features

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

02 With Reactive Power Control, compliant with EN 50549-1:2019, VDE-AR-N 4105:2018, VFR2019, etc.

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

04 Independent MPPT and monitoring ensure greater energy harvest and easier maintenance

05 2-in-1 design enables faster installation

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


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## Technical Specifications

| Model | HMS-600-2T | HMS-700-2T | HMS-800-2T | HMS-900-2T | HMS-1000-2T |
|---|---|---|---|---|---|
| **Input Data (DC)** | | | | | |
| Commonly used module power (W) | 240 to 405+ | 280 to 470+ | 320 to 540+ | 360 to 600+ | 400 to 670+ |
| Maximum input voltage (V) | 60 | 60 | 65 | 65 | 65 |
| MPPT voltage range (V) | 16-60 | | | | |
| Start-up voltage (V) | 22 | | | | |
| Maximum input current (A) | 2 × 12 | 2 × 13 | 2 × 14 | 2 × 15 | 2 × 16 |
| Maximum input short circuit current (A) | 2 × 20 | 2 × 20 | 2 × 25 | 2 × 25 | 2 × 25 |
| Number of MPPTs | 2 | | | | |
| Number of inputs per MPPT | 1 | | | | |
| **Output Data (AC)** | | | | | |
| Rated output power (VA) | 600 | 700 | 800 | 900 | 1000 |
| Rated output current (A) | 2.61 | 3.04 | 3.48 | 3.91 | 4.35 |
| Nominal output voltage/range (V)* | 230/180–275 | | | | |
| Nominal frequency/range (Hz)* | 50/45–55 | | | | |
| Adjustable power factor (@nominal power) | > 0.99 default<br>0.8 leading ... 0.8 lagging | | | | |
| Total harmonic distortion (@nominal power) | < 3% | | | | |
| Maximum units per 2.5 $mm^2$ branch** | 9 | 7 | 6 | 6 | 5 |
| Maximum units per 4 $mm^2$ branch** | 12 | 10 | 9 | 8 | 7 |
| Maximum units per 6 $mm^2$ branch** | 15 | 13 | 11 | 10 | 9 |
| **Efficiency** | | | | | |
| CEC peak efficiency | 96.7% | 96.7% | 96.7% | 96.5% | 96.5% |
| Nominal MPPT efficiency | 99.8% | | | | |
| Night power consumption (mW) | < 50 | | | | |
| **Mechanical Data** | | | | | |
| Ambient temperature range (°C) | -40 to +65 | | | | |
| Dimensions (W × H × D [mm]) | 261 × 180 × 35.1 | | | | |
| Weight (kg) | 3.2 | | | | |
| Enclosure rating | Outdoor-IP67 | | | | |
| Cooling | Natural convection-No fans | | | | |
| **Features** | | | | | |
| Communication | Sub-1G | | | | |
| Type of isolation | Galvanically Isolated HF Transformer | | | | |
| Monitoring | S-Miles Cloud (Hoymiles Monitoring Platform) | | | | |
| Compliance | EN 50549-1: 2019, VDE-AR-N 4105: 2018, VFR2019,<br>IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-2/-3/-4, IEC/EN 61000-3-2/-3 | | | | |

* : Nominal voltage/frequency range can vary depending on local requirements.
** : Refer to local requirements for exact number of microinverters per branch.

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