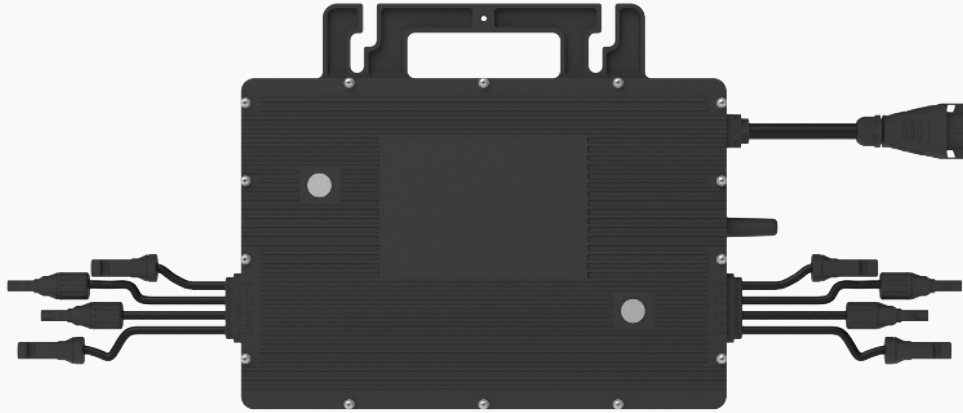




## Microinverter Datasheet

**HMT-1600-4T**  
**HMT-1800-4T**  
**HMT-2000-4T**

### Description

Hoymiles new generation microinverter HMT-2000 series is designed to accommodate the 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 HMT-2000 series a very cost-effective choice.

The new Sub-1G wireless solution enables more stable communication with Hoymiles gateway DTU. Smart platform S-Miles Cloud makes it possible to module-level monitoring and remote O&M.

### Features

- 01 Three-phase output, more suitable for commercial and industrial applications
- 02 With output power up to 2000 VA, compatible with 182 mm/210 mm PV module
- 03 Grid protection relay integrated

- 04 4-in-1 design enables faster installation and comes with a lower cost
- 05 Safer for rooftop solar stations with rapid shutdown compliance and isolated transformer
- 06 Sub-1G wireless solution allows stable communication in commercial and industrial settings

## Technical Specifications

| Model                                        | HMT-1600-4T                                                                                                       | HMT-1800-4T | HMT-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                                                                                                             |             |             |
| 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                                                                                                                 |             |             |
| Output Data (AC)                             |                                                                                                                   |             |             |
| Grid Type                                    | Three Phase                                                                                                       |             |             |
| Rated output power (VA)                      | 1600                                                                                                              | 1800        | 2000        |
| Rated output current (A)                     | 2.32 × 3                                                                                                          | 2.61 × 3    | 2.9 × 3     |
| Nominal output voltage (V)                   | 230/400, 3W+N+PE                                                                                                  |             |             |
| Nominal frequency (Hz)                       | 50                                                                                                                |             |             |
| Power factor (adjustable)                    | > 0.99 default                                                                                                    |             |             |
| Total harmonic distortion                    | < 3%                                                                                                              |             |             |
| Maximum units per 12 AWG branch <sup>1</sup> | 8                                                                                                                 | 7           | 6           |
| Maximum units per 10 AWG branch <sup>1</sup> | 13                                                                                                                | 12          | 11          |
| Efficiency                                   |                                                                                                                   |             |             |
| CEC peak efficiency                          | 96.50%                                                                                                            |             |             |
| Nominal MPPT efficiency                      | 99.80%                                                                                                            |             |             |
| Night power consumption (mW)                 | < 50                                                                                                              |             |             |
| Mechanical Data                              |                                                                                                                   |             |             |
| Ambient temperature range (°C)               | -40 to +65                                                                                                        |             |             |
| Storage temperature range (°C)               | -40 to +85                                                                                                        |             |             |
| Dimensions (W × H × D [mm])                  | 326 × 222 × 40.6                                                                                                  |             |             |
| Weight (kg)                                  | 5.9                                                                                                               |             |             |
| Enclosure rating                             | Outdoor-IP67                                                                                                      |             |             |
| Cooling                                      | Natural convection-No fans                                                                                        |             |             |
| Features                                     |                                                                                                                   |             |             |
| Communication                                | Sub-1G                                                                                                            |             |             |
| Type of isolation                            | Galvanically Isolated HF Transformer                                                                              |             |             |
| Monitoring                                   | S-Miles Cloud <sup>2</sup>                                                                                        |             |             |
| Compliance                                   | VDE-AR-N 4105: 2018, EN 50549-1:2019, VFR 2019, IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-2/-3/-4, IEC/EN 61000-3-2/-3 |             |             |

\*1 Refer to local requirements for exact number of microinverters per branch.

\*2 Hoymiles Monitoring System