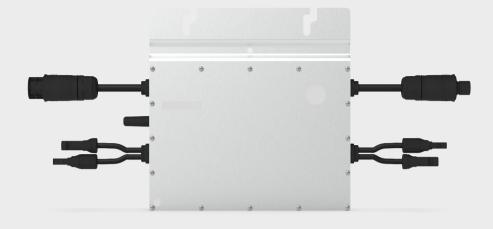
hoymiles



Microinverter Datasheet

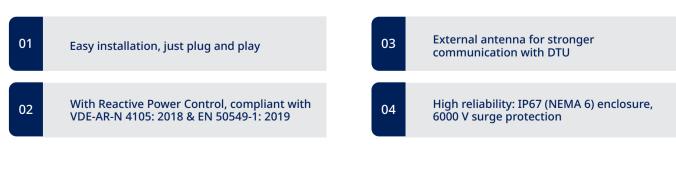
HM-600 HM-700 HM-800

Description

Hoymiles 2-in-1 microinverter can connect up to 2 panels at once and maximize the PV production of your installation.

All of the three models listed are equipped with reactive power control and can meet the requirements of EN 50549-1:2019, VDE-AR-N 4105:2018, UL 1741, etc. They're also designed with external antenna for stronger communication with Hoymiles gateway DTU.

Features



Technical Specifications

| Model | HM-600 | HM-700 | HM-800 |
|---|---|-------------|-------------|
| Input Data (DC) | | | |
| Commonly used module power (W) | 240 to 405+ | 280 to 470+ | 320 to 540+ |
| Maximum input voltage (V) | | 60 | |
| MPPT voltage range (V) | | 16–60 | |
| Start-up voltage (V) | | 22 | |
| Maximum input current (A) | 2 × 11.5 | 2 × 11.5 | 2 × 12.5 |
| Maximum input short circuit current (A) | | 2 × 15 | |
| Number of MPPTs | | 2 | |
| Number of Inputs per MPPT | | 1 | |
| Output Data (AC) | | | |
| Rated output power (VA) | 600 | 700 | 800 |
| Rated output current (A) | 2.61 | 3.04 | 3.48 |
| Nominal output voltage range (V) ¹ | 230/180-275 | | |
| Nominal frequency/range (Hz) ¹ | 50/45-55 or 60/55-65 | | |
| Power factor (adjustable) | > 0.99 default 0.8 leading0.8 lagging | | |
| Total harmonic distortion | | < 3% | |
| Maximum units per branch ² | 8 | 7 | 6 |
| Efficiency | | | |
| CEC peak efficiency | 96.70% | | |
| CEC weighted efficiency | 96.50% | | |
| Nominal MPPT efficiency | 99.80% | | |
| Nighttime power consumption (mW) | < 50 | | |
| Mechanical Data | | | |
| Ambient temperature range (°C) | -40 to +65 | | |
| Dimensions (W \times H \times D mm) | 250 × 170 × 28 | | |
| Weight (kg) | 3.0 | | |
| Enclosure rating | Outdoor IP67 (NEMA 6) | | |
| Cooling | Natural convection (no fans) | | |
| Features | | | |
| Communication | 2.4 GHz Proprietary RF (Nordic) | | |
| Type of isolation | Galvanically Isolated HF Transformer | | |
| Monitoring | S-Miles Cloud ³ | | |
| 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 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.