



Microinverter Datasheet

HMS-600-2WB
HMS-700-2WB
HMS-800-2WB
HMS-900-2WB
HMS-1000-2WB

Description

The HiFlow Pro 2-in-1 series microinverter is designed to fit various residential spaces such as balconies, terraces, and gardens. It features a built-in Wi-Fi & Bluetooth communication module and can deliver output power up to 1000 VA.

Pairing perfectly with the Flex-S3 Cable System, the HiFlow Pro 2-in-1 series microinverter offers a hassle-free plug-and-play installation. No complicated wiring is needed - you can set it up within minutes.

Moreover, the new S-Miles Home App enhances functionality, enabling effortless customization of your smart home solar system.

Features

01 Plug-and-play design for balcony solar systems

02 Built-in Wi-Fi & Bluetooth module ensures wireless security and reliability

03 Supports cloud-based or local solar system configurations

04 Works with the S-Miles Home app to customize your smart home solar system

05 Meets ETSI EN 303 645 cybersecurity standards for enhanced privacy protection

06 Enhanced safety by using rapid shutdown compliance and an isolated transformer

Technical Specifications

| Model | HMS-600-2WB | HMS-700-2WB | HMS-800-2WB | HMS-900-2WB | HMS-1000-2WB |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-------------|-------------|-------------|--------------|
| 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 to 60 | | | | |
| Min./Max. start voltage (V) | 22/60 | | | | |
| 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 to 275 | | | | |
| Nominal frequency/range (Hz)* | 50/45 to 55 | | | | |
| Adjustable power factor (@nominal power) | >0.99 default 0.8 leading ... 0.8 lagging | | | | |
| Total harmonic distortion (@nominal power) | <3% | | | | |
| Flex-S3 Plug and Play Cable-CEE7/7 | | | | | |
| Connector type | Flex-S3 Field Connector | | | | |
| Cable size (mm²) | 1 | | | | |
| Cable length (m) | 5 | | | | |
| Plug type | Schuko | | | | |
| Efficiency | | | | | |
| Peak efficiency | 96.70% | 96.70% | 96.70% | 96.50% | 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]) | 261 × 180 × 35.1 | | | | |
| Weight (kg) | 3.2 | | | | |
| Enclosure rating | Outdoor - IP67 | | | | |
| Cooling | Natural convection – No fans | | | | |
| Features | | | | | |
| Communication with cloud | 2.4G Wi-Fi | | | | |
| Communication with local app | Bluetooth | | | | |
| Topology | Galvanically Isolated HF Transformer | | | | |
| Interface | LED & App | | | | |
| 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 | | | | |

* : Nominal voltage/frequency range can vary depending on local requirements.