

SINGLE-PHASE MICROINVERTER

The HiFlow Pro 4-in-1 series microinverter is a plug-in inverter designed for residential installations such as balconies, terraces, and gardens. It features a plug-and-play design that eliminates complex wiring and simplifies installation. With a built-in Wi-Fi & Bluetooth module, it enables direct communication without the need for an additional DTU, allowing for fast and easy setup.

This microinverter delivers output power of up to 2000 VA. Its advanced MPPT algorithm improves energy harvest and ensures stable performance under a wide range of conditions.

Moreover, the S-Miles Home App lets you monitor real-time output, configure system settings, and manage your home solar system from your smartphone.

HiFlow (1600-2000) Pro



Features

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| <p>01 Advanced MPPT algorithm supports multiple PV orientations</p> | <p>04 Works with the S-Miles Home app to customize your smart home solar system</p> |
| <p>02 Built-in Wi-Fi & Bluetooth module enables remote and local commissioning, delivering stronger and more reliable connectivity</p> | <p>05 Meets ETSI EN 303 645 cybersecurity standards for enhanced privacy protection</p> |
| <p>03 Plug-and-play design allows a fast and easy installation, reducing the labor costs and installation time</p> | <p>06 Integrated rapid shutdown and isolated transformer improve system safety and eliminate the risk of arc faults</p> |

Technical Specifications

Model	HMS-1600-4WB	HMS-1800-4WB	HMS-2000-4WB
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 to 60		
Min./Max. start 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	4		
Number of inputs per MPPT	1		
Output Data (AC)			
Rated output power (VA)	1600	1800	2000
Rated output current (A)	6.96	7.83	8.70
Nominal output voltage/range (V)*	230/180 to 275		
Nominal frequency/range (Hz)*	50/45 to 55		
Adjustable power factor (@Rated power)	>0.99 default 0.8 leading ... 0.8 lagging		
Total harmonic distortion (@Rated power)	<3%		
Flex-S3 Plug and Play Cable-CEE7/7			
Connector type	Flex-S3 Field Connector		
Cable size (mm²)	1		
Cable length (m)	5 (Customizable)**		
Plug type	Type-G (For UK) / Schuko (Rest EU)		
Efficiency			
Peak efficiency	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])	331 × 218 × 40.6		
Weight (kg)	5.6		
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, NF EN 50549-1: 2019, NF EN 50549-10: 2022, 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.

***: For plug-and-play cable lengths other than the standard 5 m, please contact your distributor for a custom order.