



## Single-phase Microinverter

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

### Description

The MIS-1000-2T series microinverter represents Hoymiles' latest breakthrough in residential energy solutions.

The use of compact circuits and lightweight materials makes it smaller and lighter without sacrificing power. With a record-breaking peak efficiency rating of 97.50%, it delivers superior energy production.

Both models in this series use Sub-1G technology, guaranteeing stable and interference-free communication between microinverters and DTU.

### Features

01

#### Productive

- Up to 97.5% peak efficiency
- Optimal power density for residential application
- Compatible with high-powered 182/210 mm PV modules

02

#### Reliable

- With Reactive Power Control, compliant with EN 50549-1:2019, VDE-AR-N 4105:2018, VFR 2019, etc.
- Safer for rooftop solar stations with isolated transformer

03

#### Easy to install

- Lightweight and compact
- Simple plug-and-play installation

04

#### Built to Last

- Class II double-insulated enclosure
- Built-in relay



# Technical Specifications

Model	MIS-600-2T	MIS-700-2T	MIS-800-2T	MIS-900-2T	MIS-1000-2T
<b>Input Data (DC)</b>					
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				
MPPT voltage range (V)	12 to 60				
Min./Max. start voltage (V)	18/60				
Max. input current (A)	2 × 12	2 × 13	2 × 14	2 × 15	2 × 16
Max. 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				
<b>Output Data (AC)</b>					
Peak output power (VA)	660	770	880	990	1100
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%				
Maximum units per 2.5 mm <sup>2</sup> branch**	9	7	6	6	5
Maximum units per 4 mm <sup>2</sup> branch**	12	10	9	8	7
Maximum units per 6 mm <sup>2</sup> branch**	15	13	11	10	9
<b>Efficiency</b>					
Peak efficiency	97.50%				
European weighted efficiency	96.70%				
Nominal MPPT efficiency	99.80%				
Night power consumption (mW)	<50				
<b>Mechanical Data</b>					
Ambient temperature range (°C)	-40 to +65				
Storage temperature range (°C)	-40 to +85				
Dimensions (W × H × D [mm])	211.1 × 246.4 × 38 (without bracket)				
Weight (kg)	2.1				
Enclosure rating	Outdoor-IP68				
Cooling	Natural convection – No fans				
<b>Features</b>					
Communication	Sub-1G				
Topology	Galvanically Isolated HF Transformer				
Monitoring	S-Miles Cloud (Hoymiles monitoring platform)				
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.

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