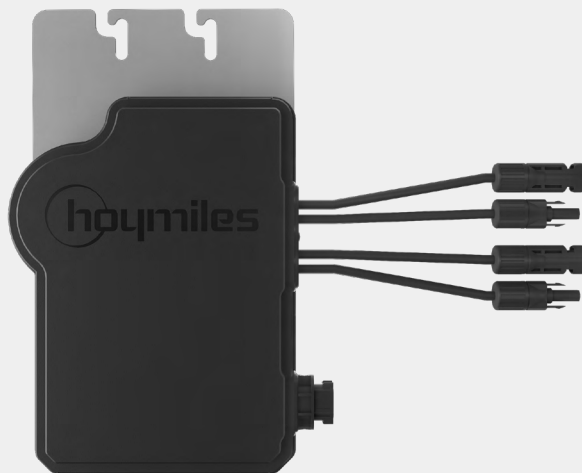




Single-phase Microinverter

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
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)	63				
MPPT voltage range (V)	12 to 58				
Peak MPPT voltage range (V)	27 to 48	29 to 48	30 to 48	32 to 48	33 to 48
Min./Max. start-up voltage (V)	18/58				
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				
Maximum inverter back-feed current to the array (A)	0				
DC overvoltage category	II				
Output Data (AC)					
Maximum continuous output power (VA)	600	700	800	900	1000
Maximum continuous 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 ² branch**	9	8	7	6	5
Maximum units per 4 mm ² branch**	13	11	9	8	7
AC port back-feed under single fault (A)	0				
AC overvoltage category	III				
Efficiency					
Peak efficiency	97.50%				
European weighted efficiency	96.70%				
Nominal MPPT efficiency	99.80%				
Night power consumption (mW)	<50				
Mechanical Data					
AC connector type	Flex-S2 Cabling (refer to separate datasheet for cable and accessories)				
Ambient temperature range (°C)	-40 to +65				
Storage temperature range (°C)	-40 to +85				
Dimensions (H × W × D [mm])	308 × 211.4 × 38				
Weight (kg)	2.15				
Enclosure rating	Outdoor-IP68 (1 m, 1 h)				
Cooling	Natural convection – No fans				
Features					
Communication	Sub-1G				
Topology	Galvanically Isolated HF Transformer				
Monitoring	S-Miles Cloud (Hoymiles monitoring platform)				
Compliance	EN 50549-1: 2019, EN 50549-10: 2022, NF EN 50549-1: 2019, TOR 2019, CEI 0-21: 2024, UNE 217002/NTS V2.1, RD 647/2020, VDE-AR-N 4105: 2018, PN 50549-1: 2019, UL 1741, IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-2/-3/-4, IEC/EN 61000-3-2/-3				
Warranty	25 Years***				

* : Nominal voltage/frequency range can vary depending on local requirements.
** : Refer to local requirements for an exact number of microinverters per branch.
***: Refer to the warranty document at [Hoymiles Resources](#) for detailed terms and conditions.