



Microinverter Datasheet

MI-300
MI-350

Description

With the maximum output power of 350 W, Hoymiles MI-350 series of microinverter connect to 1 panel and enable module-level maintenance and management of the PV station by monitoring power generation of each module.

Module-level data can be uploaded to the monitoring platform S-Miles Cloud via Hoymiles data transfer units through 2.4G wireless communication.

Features

01

Maximum output power up to 300/350 W, adapted to 60-cell & 72-cell PV panels

02

Peak efficiency 96.70%, CEC weighted efficiency 96.50%

03

Static MPPT efficiency 99.80%, and Dynamic MPPT efficiency 99.76% in overcast weather

04

High reliability, IP67 (NEMA 6) enclosure, 6000 V surge protection

Technical Specifications

Model	MI-300	MI-350
Input Data (DC)		
Commonly used module power (W)	240–380	280–440
Peak power MPPT voltage range (V)	29–48	33–48
Start-up voltage (V)		22
Operating voltage range (V)		16–60
Maximum input voltage (V)		60
Maximum input current (A)	11.5	11.5
Output Data (AC)		
Rated output power (W)	300	350
Rated output current (A)	1.36/1.30/1.25	1.59/1.52/1.46
Nominal output voltage (V)		220/230/240
Nominal output voltage range (V)		180–275 ¹
Nominal frequency/range (Hz)		50/45–55 ¹ or 60/55–65 ¹
Power factor		> 0.99
Total harmonic distortion		< 3%
Maximum units per branch	16/16/16	14/14/14
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 × H × D mm)		173 × 153 × 28
Weight (kg)		1.98
Enclosure rating		Outdoor IP67 (NEMA 6)
Cooling		Natural convection (no fans)
Features		
Communication		2.4 GHz Proprietary RF (Nordic)
Monitoring		S-Miles Cloud ²
Warranty		Up to 25 years
Compliance	UL 1741, ABNT NBR 16150, IEC/EN 61000-3-2/-3, IEC/EN 61000-6-1/-2/-3/-4, IEC/EN 62109-1/-2, IEC 61727, IEC 62116, IEC 61683, VDE V 0126-1-1:2013	

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

*2 Hoymiles Monitoring System