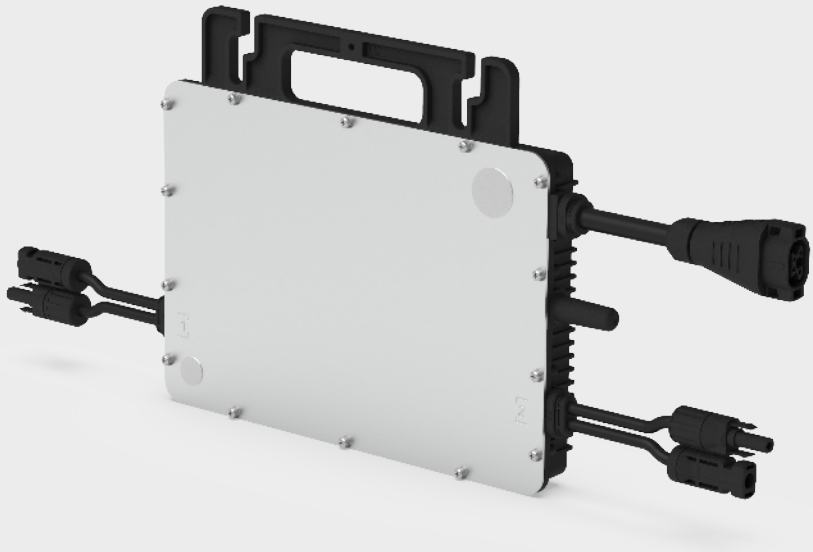

Microinverter Datasheet

HMS-800-2T-LV

Description

Hoymiles 2-in-1 microinverter can connect up to 2 panels at once with independent MPPT and maximize the PV production of your installation.

This model is designed for 120 V & 127 V power grid and can meet the requirements of UL 1741, ABNT NBR 16150, etc.

New Sub-1G wireless solution enables more stable communication with Hoymiles gateway DTU.

Features

01 Compliant with 120 V & 127 V power grid

02 Safer for rooftop solar stations with rapid shutdown compliance and isolated transformer

03 Independent MPPT and monitoring

04 New Sub-1G wireless solution enables more stable communication

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Technical Specifications

Model	HMS-800-2T-LV
Input Data (DC)	
Commonly used module power (W)	320 to 540+
Maximum input voltage (V)	65
MPPT voltage range (V)	16-60
Start-up voltage (V)	22
Maximum input current (A)	2 × 14
Maximum input short circuit current (A)	2 × 25
Number of MPPTs	2
Number of Inputs per MPPT	1
Output Data (AC)	
Rated output power (VA)	800
Rated output current (A)	6.67
Nominal output voltage/range (V)[1]	120/90-150
Nominal frequency/range (Hz)[1]	50/45-55 or 60/55-65
Power factor (adjustable)	> 0.99 default 0.8 leading...0.8 lagging
Total harmonic distortion	< 3%
Maximum units per 12AWG branch[2]	3
Efficiency	
CEC peak efficiency	95.00%
Nominal MPPT efficiency	99.80%
Night power consumption (mW)	< 50
Mechanical Data	
Ambient temperature range (°C)	-40 to +65
Dimensions (W × H × D mm)	261 × 180 × 31
Weight (kg)	3.1
Enclosure rating	Outdoor IP67 (NEMA 6)
Cooling	Natural convection (No fans)
Features	
Communication	Sub-1G
Type of isolation	Galvanically Isolated HF Transformer
Monitoring	Hoymiles S-Miles Cloud[3]
Compliance	UL 1741, ABNT NBR 16150:2013, ABNT NBR 16149:2013

*1 Nominal voltage/frequency range can vary depending on local requirements.
*2 Refer to local requirements for exact number of microinverters per branch.
*3 Hoymiles Monitoring System