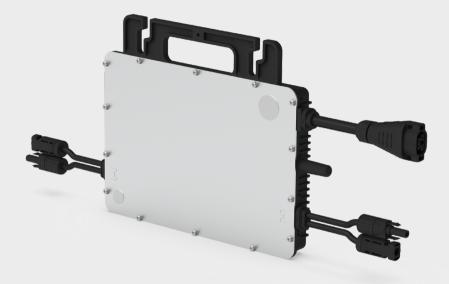
## hoymiles



# Microinverter Datasheet

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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	C

03 Independent MPPT and monitoring

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

### **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 × 13.3	
Maximum input short circuit current (A)	2 × 20	
Output Data (AC)		
Rated output power (VA)	800	
Rated output current (A)	6.67	
Nominal output voltage/range (V) <sup>1</sup>	120/90-150	
Nominal frequency/range (Hz) <sup>1</sup>	50/45-55 or 60/55-65	
Power factor (adjustable)	> 0.99 default 0.8 leading0.8 lagging	
Total harmonic distortion	< 3%	
Maximum units per 12AWG branch <sup>2</sup>	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 × 223 × 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 <sup>3</sup>	
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