

## Technical Specifications

Model	HM-600	HM-700	HM-800
<b>Input Data (DC)</b>			
Commonly used module power (W)	240 to 405+	280 to 470+	320 to 540+
Maximum input voltage (V)	60		
MPPT voltage range (V)	16-60		
Start-up voltage (V)	22		
Maximum input current (A)	2 × 11.5	2 × 11.5	2 × 12.5
Maximum input short circuit current (A)	2 × 15		
<b>Output Data (AC)</b>			
Rated output power (VA)	600	700	800
Rated output current (A)	2.61	3.04	3.48
Nominal output voltage range (V) <sup>1</sup>	230/180-275		
Nominal frequency/range (Hz) <sup>1</sup>	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 branch <sup>2</sup>	8	7	6
<b>Efficiency</b>			
CEC peak efficiency	96.70%		
CEC weighted efficiency	96.50%		
Nominal MPPT efficiency	99.80%		
Nighttime power consumption (mW)	< 50		
<b>Mechanical Data</b>			
Ambient temperature range (°C)	-40 to +65		
Dimensions (W × H × D mm)	250 × 170 × 28		
Weight (kg)	3.0		
Enclosure rating	Outdoor IP67 (NEMA 6)		
Cooling	Natural convection (no fans)		
<b>Features</b>			
Communication	2.4 GHz Proprietary RF (Nordic)		
Type of isolation	Galvanically Isolated HF Transformer		
Monitoring	S-Miles Cloud <sup>3</sup>		
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		

\*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.