

InstaGen **800VA Microinverter**

Easy installation and configuration

- Plug-and-play connectivity with built-in Wi-Fi and Bluetooth enables quick setup and registration-free device management

Rugged long-term reliability

- IP67 protection, -40°C to 65°C operation, and a 12-year warranty ensure dependable performance in all environments

Maximum energy optimisation

- 97% peak efficiency and 99.8% MPPT efficiency maximise solar energy utilisation and power generation performance

Advanced integration protection

- GDPR and RED-EN 18031 compliance with one-second voltage shutdown delivers enhanced electrical and data security

800VA

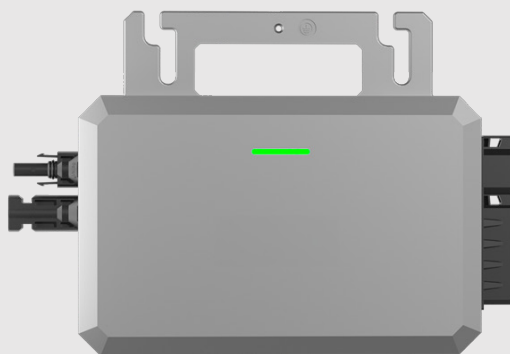
Maximum
output

97%

Peak
efficiency

99.8%

MPPT
efficiency



Model	HF-800-WB
Input data (DC)	
Commonly used module power (W)	320 to 520+
Maximum input voltage (V)	100
MPPT voltage range (V)	16 to 96
Peak MPPT voltage range (V)	54 to 80
Min./Max. start voltage (V)	22/96
Maximum input current (A)	16
Maximum input short circuit current (A)	25
Peak short-circuit current (A)	5.8
Number of MPPTs	1
Number of inputs per MPP	1
Maximum inverter backfeed current to the array (A)	0
DC overvoltage category	II
Output data (AC)	
Rated output power (VA)	800
Rated output current (A)	3.48

Model	HF-800-WB
Output data (AC) (cont.)	
Nominal output voltage/range (V)*	230/184 to 276
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%
AC port backfeed under single fault (A)	0
AC overvoltage category	II
Plug and Play Cable	
Connector type	Flex-S3 AC connector
Cable size (mm ²)	1
Cable length (m)	5
Plug type	BS 1363-1 plug with BS 1362 5A fuse

Model	HF-800-WB
Efficiency	
Peak efficiency	97.0%
European weighted efficiency	96.0%
Nominal MPPT efficiency	99.8%
Night power consumption (mW)	<50
Mechanical data	
Ambient temperature range (°C)	-40 to +65
Storage temperature range (°C)	-40 to +85
Dimensions (W × H × D [mm])	213 × 182.5 × 36.5 (Excluding Connectors and Brackets)
Weight (kg)	2.1
Enclosure rating	Outdoor - IP67
Cooling	Natural convection – No fans
Features	
Communication with cloud	2.4 GHz Wi-Fi
Communication with local app	BLE
Topology	Galvanically Isolated HF Transformer
Monitoring	S-Miles Cloud (Hoymiles Monitoring Platform)
Compliance	
Standards	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

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

** Refer to local requirements for exact number of microinverters per branch.