1kW Single-Phase Micro Inverter

Model: HJ-MG0001-W Power: 1Kw

Summary

HJ-MG0001-W series micro inverters have 2 input channels with independent MPPT functions and high input current and output power to adapt to today's higher-power power modules. Users can directly connect their mobile phones to HJ-MG0001-W via Bluetooth to obtain real-time data of the photovoltaic system.

1kW Single-Phase Micro Inverter (HJ-MG0001-W)

Product Features

Independent MPPT

One microinverter connects two components with independent MPPT, with a maximum output power of 1000W;

High protection level

IP67 high protection level

Perfect functions

Built-in Wi-Fi and Bluetooth; built-in safety protection relay; directly plugged into the wall socket;

Technical Parameters

Product Parameters

DC Input	
Recommended Array Power Range	**410Wp-760Wp+**
MPPT Voltage Range	**28V-45V**
Operating Voltage Range	**26V-60V**
Max DC Input Voltage	**60V**
Max DC Input Current	**20Ax2**
Max DC Short-Circuit Current	**25Ax2**
AC Output	
Rated Output Power	**1000W**
Rated Output Voltage/Default Output Voltage Range	**220V/187V-242V**
Max Output Current	**4.5A**
Rated Output Frequency/Default Output Frequency Range	**50Hz/475Hz-50.5Hz**
Power Factor	**>0.99**
Efficiency	
Max Efficiency	**96%**
MPPT Tracking Efficiency	**99.90%**

Night Loss	**20mW**
Mechanical Data	
Operating Temperature Range	**-40°C to+65°C**
Storage Temperature Range	**-40°C to+85°C**
Dimensions (L×W×H)	**263mm x 218 mm x 37 mm**
Weight	**3kg**
DC Connection Type	**Staubli MC4 PV-ADBP4-S28ADSP4-S2**
Cooling	**Natural convection (no fan)**
Protection Level	**IP67**
Pollution Degree	**PD3**
Working Relative Humidity Range	**4%-100%**
Max Altitude	

Application

Balcony photovoltaic, home energy storage, dedicated for balcony and DIY system

Contact Us

For catalog requests, pricing, or partnerships, please visit:
https://www.highjoule.com