

Inverter Module

I23002G1



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Introduction

The Inverter module can work with the Inverter module subrack to convert DC power into 220 V AC power, providing high-performance and uninterrupted AC power for AC devices.

Features

- Reliable: supports N+1 backup
- Easy maintenance: hot swap and online replacement
- Intelligent remote management

Application Scenarios

- Communication site with AC devices

Specifications

System Specifications

Dimensions (H x W x D)	40.8 mm x 105 mm x 269mm	
Weight	2 kg	
Heat Dissipation Mode	Air-cooled	
Protection level	IP20	
Output Capacity	2kVA	
DC input	Current	55 A max
	Voltage	43.2 V to 58 V, Rated 48 V

Specifications

AC output	Output voltage	220 V AC ($\pm 2\%$)
	Output frequency	50 Hz ($\pm 1\%$)
	Output surge protection	2 kV/4 kV
	peak efficiency	$\geq 94\%$
	output power factor	0.8
	Overload capability	105% \leq Load \leq 125%: > 1 minute 125% < Load \leq 150%: > 5s 150% < Load \leq 200% > 1s
	Output current peak coefficient	3:1
	Output parallel function	Parallel output
Protection Function	DC input	Overvoltage and undervoltage
	AC output	Over-voltage, under-voltage, over-current, over-power, and short-circuit protection
	Temperature	Overtemperature protection
Insulation resistance	Not less than 2 M Ω	
Audio noise	< 60 dB	
Certification & Reference Standards	The CE passes the TUV and CE certifications and obtains the CB certificate. IEC/EN 62368, 60950, TLC, RoHS, Reach, WEEE	
Environment	Operating temperature	-40°C to +75°C (+55°C derating)
	Storage temperature	-40°C to +75°C (unpacked)
	Altitude	0-5000m(1°C per 200 m temperature derating from 2000 to 5000 m)
	Relative humidity	5% to 95%, non-condensing

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