



Inverter Module

I23003G1

Introduction

The Inverter module can work with the Inverter module subrack to convert 48V DC power into 230 V AC power, providing high-performance and uninterrupted AC power for AC devices.



I23003G1 inverter module

Features

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

Application

- 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	3000VA/2400W (52V DC~ 58V DC) 2500VA/2000W (other range)	
DC input	Current	75 A max
	Voltage	42V DC ~ 58V DC

Specifications

AC output	Output voltage	230 V AC by default. 200/208/220/230/240V AC can be configured.
	Output frequency	50Hz/60Hz
	peak efficiency	≥ 94%
	output power factor	0.8
	Overload capability	3000VA/2400W : 105% ≤ Load ≤ 125%; t>1min 125% < load; t≤1s 2500VA/2000W : 105% ≤ Load ≤ 125%; t > 10min 125% < Load ≤ 150%; t > 10s Load > 150%; t ≤ 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 10 MΩ	
Audio noise	≤ 55 dB (Sound pressure level)	
Reliability	MTBF > 50K hours (25°C)	
Certification & Reference Standards	Pass the TUV and CE certifications and obtains the CB certificate. IEC/EN 62477-1, EN55032, IEC61000-4-6, IEC61000-4-3, IEC61000-4-2, IEC61000-4-4, IEC61000-4-5, RoHS	
Environment	Operating temperature	- 40°C + 75°C (When the temperature is 50°C to 75°C, the linear derating is 20%; when the temperature is -40°C to -20°C, the system can start normally without damage.)
	Storage temperature	-40°C to +75°C (unpackaged)
	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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