

The INV Series...

Inverter INV 48/120 V - 1000 VA
INV 48/120 V - 2000 VA

Standard 19", 23" and 25" rack
1kVA/800W, 2kVA/1600W output power
Selectable 100V/110V/120V system output
High efficiency system
Pure sinewave output with less than 3% THD
Compact and lightweight
Modular design for easy maintenance
Bypass function
RS-232 communication interface
User friendly LED and LCD display

Applications

Mini power systems
Wireless base stations
Core network components
Telecommunications/data networks

Description

The inverter INV 48/120V inverters are single phase, fan-cooled inverters. They convert all direct voltages from 48 V battery systems to an uninterruptible, stabilized AC voltage. The outstanding dynamic performance matches the supply requirements for state-of-the-art telecom equipment. This performance as well as the advanced technology is the key factors of the success of this inverter and it offers a cost effective and reliable solution.

The typical applications for PCE inverter are both in indoor and outdoor environments, which is a perfect solution for wireless base stations, core network components, telecommunications networks and data networks.



General	
Efficiency, at 120Vrms	83%
Safety	UL 60950 CAN/CSA-C22.2 No. 60950
EMI, radiated	FCC Part 15, class A
Cooling	Fan cooled
Acoustic noise	46dB(A)
On/Off switch	Yes
MTBF	450K Hours

DC Input	
Input Voltage	40...60 Vdc
Rated current	25 A (1kVA)/ 50A (2 kVA)
Rated current	180 A
Protection	Fuse and DC breaker

AC Input (Bypass)	
Input Voltage	100/110/115/120 Vrms ±20%
Frequency	50/60 Hz ±5 Hz
EMI, conducted	FCC Part 15, class A
Mains connector	Rear side
Input protection	AC circuit breaker
Connection	Terminal block (3 P)

Output	
Output Voltage	100/110/115/120 Vrms
Voltage regulation	±3%
Frequency	50/60 Hz ±0.2 Hz
THD	3%: 100% linear load 5%: 100% SPS load
Current nominal	10Arms (1kVA) 20Arms (2kVA)
Crest factor	3:1
Power nominal	1000VA/ 800W 2000VA/ 1600W
Receptacles	NEMA 5-15R x 2 (1 kVA) NEMA 5-20R x 2 (2 kVA)

User Interface	
Status display	LCD Display
Status indication	LED <<Inverter ON>>
	LED <<Overload>>
	LED <<DC abnormal>>
	LED <<Fault>>
Communication	RS - 232 Dry contact

Mechanics	
Width, overall	17.3" / 440mm
Depth, overall	11.8" / 300mm
Height, overall	3.5" / 88 mm
Weight	15.4 lb / 7 kg (1kVA)
	17.6 lb / 8 kg (2kVA)

Environment	
Operating temperature	0...+45°C
Relative humidity	20~90%, non condensing
Altitude	- 500~10000 feet

* Specifications are subject to change due to technical progress

