

Features

Standard 19", 23" and 25" rack
 1KVA/800W, 2KVA/1600W
 Selectable 100V/110V/115V/120V system output
 High efficiency
 Pure sine wave output
 Compact, lightweight modular design
 Bypass function
 RS-232 communication
 User friendly LED and LCD display


Applications

Indoor and outdoor
 Modular UPS configurations
 Telecom, wireless, datacom

Description

The inverter CPI-T48LV 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 this 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.

CiTO Power (Telecom) Inverter Series Product Specification
General

Efficiency, at	83.00%
Safety	UL 60950 CAN/CSA-C22.2 No. 60950
EMI, radiated	FCC Part 15, class A
Cooling	Fan cooled
Acoustic noise	46 dB(A)
On/Off Switch	Yes
MTBF	450K Hours

User interface

Status display	LCD display
Status indication	LED «Inverter ON» LED «Overload» LED «DC abnormal» LED «Fault»
Communication	RS 232 Dry contact

DC Input

Input voltage	40 ... 60 Vdc
Rated current	25 A (1k VA) / 50 A (2k VA)
Inrush current	180 A
Protection	Fuse and DC breaker

Mechanics

Width, overall	17.3" / 440 mm
Depth, overall	11.8" / 300 mm
Height, overall	3.5" / 88.0 mm
Weight	15.4 lb / 7 kg (1k VA) 17.6 lb / 8 kg (2k VA)

AC Input(Bypass)

Input voltage	100 / 110 / 115 / 120 V _{rms} ± 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)

Environment

Operating	0 ... + 50 °C
Relative humidity	20 ~ 90 %, non condensing
Altitude	- 500 ~ 10000 feet

* Product specifications are subject to change without further notice

Output

Output voltage	100 / 110 / 115 / 120 V _{rms}
Voltage regulation	± 3 %
Frequency	50 / 60 Hz ± 0.2 Hz
THD	3 % : 100% linear load 5 % : 100% SPS load
Current, nominal	10 A _{rms} (1kVA) 20 A _{rms} (2kVA)
Crest factor	0.125694444
Power, nominal	1000 VA / 800 W 2000 VA / 1600 W
Receptacles	NEMA 5-15R x 2 (1kVA)