

**Features**

Standard 19", 23" and 25" rack  
 1KVA/800W, 2KVA/1600W  
 Selectable 208/220V/230V/240V 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  
 Telecom, wireless, datacom


**Description**

The inverter CPI-T48HV 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	85.00%
Safety	UL 60950
	EN 60950
	CAN/CSA-C22.2 No. 60950
EMI, radiated	FCC Part 15, class A
Compliant with	EN 55022, class A
Cooling	Fan cooled
Acoustic noise	55 dB(A)
On/Off Switch	Yes
MTBF	450K Hours

**DC Input**

Input voltage	40 ... 60 Vdc
Rated current	25 A (1k VA) / 50 A (2k VA)
Inrush current	180 A
EMI, conducted	EN 55022, class A
Input protection	Fuse and DC breaker

**AC Input( Bypass)**

Input Voltage	208 / 220 / 230 / 240 Vrms $\pm$ 20
Frequency	50 / 60 Hz $\pm$ 5 Hz
EMI, conducted	EN 55022, class A
Mains connector	Rear side
Input protection	AC circuit breaker
Connection	Terminal block (3 P)

**Output**

Output voltage	208 / 220 / 230 / 240 Vrms
Voltage regulation	< $\pm$ 2 %
Frequency	50 / 60 Hz $\pm$ 0.2 Hz
THD	3 %: 100% linear load
	5 %: 100% $\Sigma$ ΠΣ λoαδ
Current, nominal	5 A ρμσ (1k cA)
	10 Arms (2k VA)
Crest factor	03:01
Power, nominal	1000 cA / 800 Ω
	2000 VA / 1600 W
Receptacles	IEC-320 x 4

**User interface**

Status display	LCD display
Status indication	LED «Inverter ON»
	LED «CL», Yellow
	LED «Overload»
	LED «DC abnormal»
	LED «Fault»

**Power system controller**

Applicable controller	CSU5 (System type)
	CSU501 (Case type)
	CSU502 (Case type)

**Mechanics**

Width, overall	17.3" / 440 mm
Depth, overall	11.8" / 300 mm
Height, overall	3.5" / 88.0 mm
Weight	17.6 lb / 8.0 kg (1k VA)
	18.7 lb / 8.5 kg (2k VA)

**Environment**

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

\* Product specifications are subject to change without further notice