



The ESI 48/120V Inverter



Description:

The ESI 48/120V inverters are single phase, fan-cooled inverters. They convert -48 Vdc from power or backup battery systems to an uninterruptible AC voltage. The outstanding dynamic performance matches the supply requirements for state-of-the-art telecom equipment. The inverter is available in two sizes (1kVA or 2kVA), providing a cost effective and reliable solution.

Features

- Standard 19" or 23" 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
- Optional SNMP Interface card
- User friendly LED and LCD display

Specification

General

Product name	ESI 48 / 120 V – 1k VA ESI 48 / 120 V – 2k VA
Efficiency, at 120Vrms	83 %
Safety	UL 60950 CAN/CSA-C22.2 No. 60950
EMI, radiated compliant with	FCC Part 15 class A
Cooling	Fan cooled
On/Off Switch	Yes
MTBF	450K Hours

DC Input

Input voltage	40 ... 60 V _{dc}
Rated current	25 A (1k VA) / 50 A (2k VA)

AC Input(Bypass)

Input voltage	100 / 110 / 115 / 120 V _{rms} ± 20 V _{rms}
Frequency	50 / 60 Hz ± 5 Hz
EMI, conducted compliant with	FCC Part 15 class A

Output

Output voltage	100 / 110 / 115 / 120 V _{rms}
Voltage regulation	± 3 %
Frequency	50 / 60 Hz ± 0.2 Hz
THD	3 %: 100% liner load 5 %: 100% SPS load
Current, nominal	10 A _{rms} (1kVA) 20 A _m (2kVA)
Crest factor	3 : 1

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)

Environment

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

*Specifications are subject to change.

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