



The ESI 48/230V Inverter



Description:

The ESI 48/230V 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.

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

Specification

General

Product name	ESI 48 / 230 V – 1k VA ESI 48 / 230 V – 2k VA
Efficiency, at 230Vrms	85 %
Safety	UL 60950 EN 60950 CAN/CSA-C22.2 No. 60950
EMI, radiated compliant with	FCC Part 15 class A EN 55022 class A
Cooling	Fan cooled
On/Off Switch	Yes
MTBF	450K Hours

Input

Input voltage	40 ... 60 V _{dc}
Rated current	25 A (1k VA) / 50 A (2k VA)
EMI, conducted	EN 55022, class A
Input protection	Fuse and DC breaker

AC Input(Bypass)

Input voltage	208 / 220 / 230 / 240 V _{rms} ± 20 V _{rms}
Frequency	50 / 60 Hz ± 5 Hz
EMI, conducted compliant with	FCC Part 15 class A EN 55022 class A, EN 55022 class A

Output

Output voltage	208 / 220 / 230 / 240 V _{rms}
Voltage regulation	< ± 2 %
Frequency	50 / 60 Hz ± 0.2 Hz
THD	3 %: 100% liner load 5 %: 100% SPS load
Current, nominal	5 A _{rms} (1k VA) 10 A _{rms} (2k VA)
Crest factor	3 : 1
Power, nominal	1k VA / 800 W 2k VA / 1600 W

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

*Specifications are subject to change due to technical progress

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