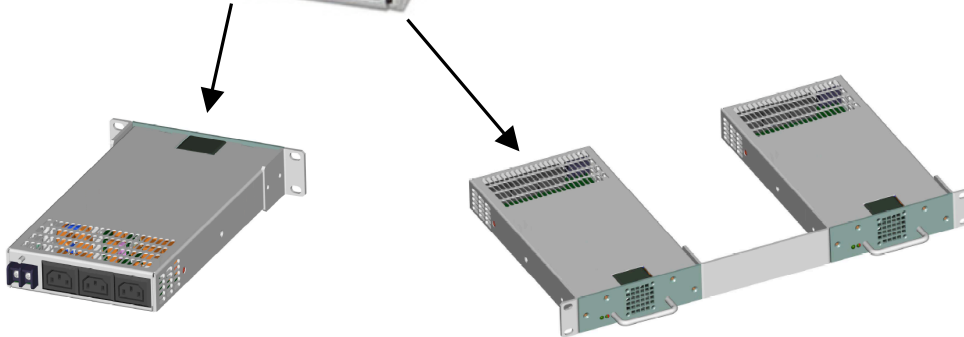




- 1U High, 10.7" Deep
- <1% THD (Total Harmonic Distortion)
- WEEE Compliant
- Integrated IEC Receptacles
- Wide Temperature Range: -20°C to +55°C at Full Power
- UL60950-1, CE Marked to LVD:EN60950-1



OVERVIEW

The LPE-R Series provides the user with true sine wave output, distortion <1% and high efficiency ... all in a stand alone package 1U high! The LPE-R fits in your existing space -- eliminating the need for complex system changes or added hardware to host the inverter -- to provide AC power any place where DC already exists.

The LPE-R also provides three standard IEC receptacles, so it's a breeze to connect. With an internal variable speed fan, just connect DC power, plug in your equipment, and you're ready to go!

The LPE-R Series is designed for use in any application where space is a premium, and true sine wave performance is a must!

This datasheet represents a standard unit. Our experienced Engineering team is ready to tailor a solution to the unique requirements of your system.

~ the sine of perfection ~

TDI-Transistor Devices

36 Newburgh Road _ Hackettstown, NJ 07840 _ Phone:908.850.5088 _ Fax:908.850.1607 _ www.tdipower.com

SPECIFICATION

INPUT

Input Voltage: 40.5 – 60VDC*
(48V Nominal)
Inrush Current: ETS300 132-2, 4.7.1

OUTPUT

Output Voltage: 220VAC*
Output Frequency: 50 Hz*
Max Output Power: 500VA
Output Regulation: Less than 2.0%
Crest Factor: Maximum 2.8:1
Total Harmonic Distortion: <1.0%
Efficiency: 86% Typical
DC Noise Injection: dBRNC <30

PROTECTION

Input & Output Fuse Protected
Input Undervoltage, Input Overvoltage, Output Overload,
Output Short Circuit, Overtemperature

FRONT PANEL INDICATORS AND ALARMS

Green LED: Input Good
Bi-Color Red/Green LED: Summary Fault / Output Good

ENVIRONMENTAL

Cooling: Internal, Variable speed fan (front to rear airflow)
Operating Temperature: -20°C to +55°C
Storage Temperature: -40°C to +65°C
Humidity: 0-95%, non-condensing

AGENCY COMPLIANCE

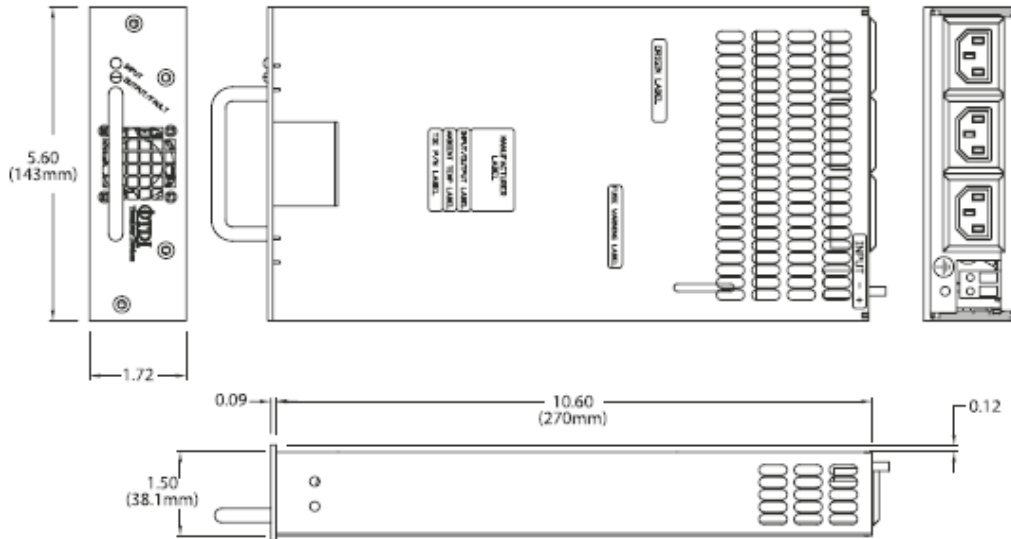
Safety: UL60950-1, CE Marked to LVD (EN60950-1)
Input EMI: EN300 386:2000 (EN55022:1998 Class A)
Output EMI: EN55022 Class A

MECHANICAL

Dimensions: See outline drawing below
Weight: 3 lbs. (1.36kg)
DC Input Connection: 2 position terminal block
AC Output Connection: 3 x IEC C-13 receptacles
Ground Connection: 8-32 threaded stud

*Custom Voltages and Frequencies Available

OUTLINE



This data sheet is believed to be correct at time of publication and Transistor Devices, Inc. accepts no responsibility for consequences from printing errors or inaccuracies. Specifications are subject to change without notice.

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