

AC-DC Converters

DLS-23048AC-LW Series

230V AC to 48V DC Power Supply Unit



- *High efficiency*
- *High precision*
- *Heavy duty applications*

DLS-23048AC-LW Series AC-DC Converter Datasheet

85-270V AC Input and 48V DC Output



Applications:

- Automotive
- Telecommunications
- Distributed power
- Defense
- Aerospace
- Medical
- And other applications requiring high efficiency

General Description:

Nelso® is manufacturer of high precision, high reliability AC-DC Converter in Kolkata, India. This product is designed to provide 230V AC to 48V DC power conversion.

Features:

- Input-output isolation
- High efficiency
- High precision
- Wide input voltage range
- Over-voltage protection
- Under voltage protection
- Reverse polarity protection
- Voltage transient protection
- Over load protection
- Short circuit protection

Quick Reference Data:

Model No.	Input Voltage	Output Voltage	Output Current	Efficiency	Ripple
DLS-23048AC-LW	230V AC	48V DC	1A-4A	>80%	<150mV

Electrical Specification:

Input Voltage:	85V AC to 270V AC
Output Voltage:	48V DC (Regulated)
Output Current / Wattage:	1A-4A
Output Wattage:	48W-192W
Line Regulation:	±0.5%
Load Regulation:	± 1% at terminal block
Switching Frequency:	80 KHz
Efficiency:	>80% Typical
Topology:	Transformer isolated flyback converter
Operating Temperature:	-20 to 80 °C
Humidity:	Up to 95% RH
Heat Sink Temperature:	100°C
Storage Temperature Range:	- 55°C to + 105°C
Weight:	550gm
Dimension (Height x width x depth):	146 x 84 x 57 mm

Mechanical Dimension of AC-DC Power Supply

All units are in “mm”

