

AC-DC Converters

DLS-23048AC Series

230V AC to 48V DC Power Supply Unit



- High efficiency
- High precision
- Heavy duty applications

DLS-23048AC 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:

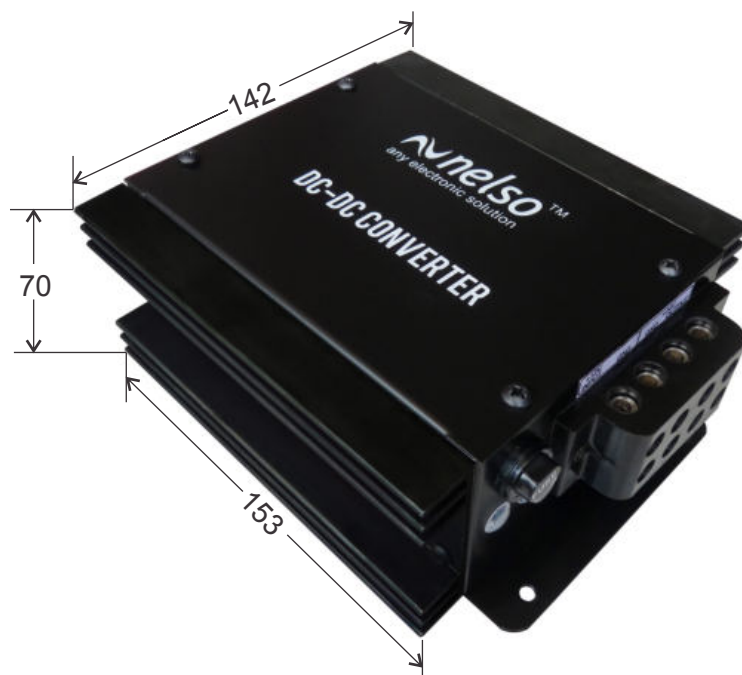
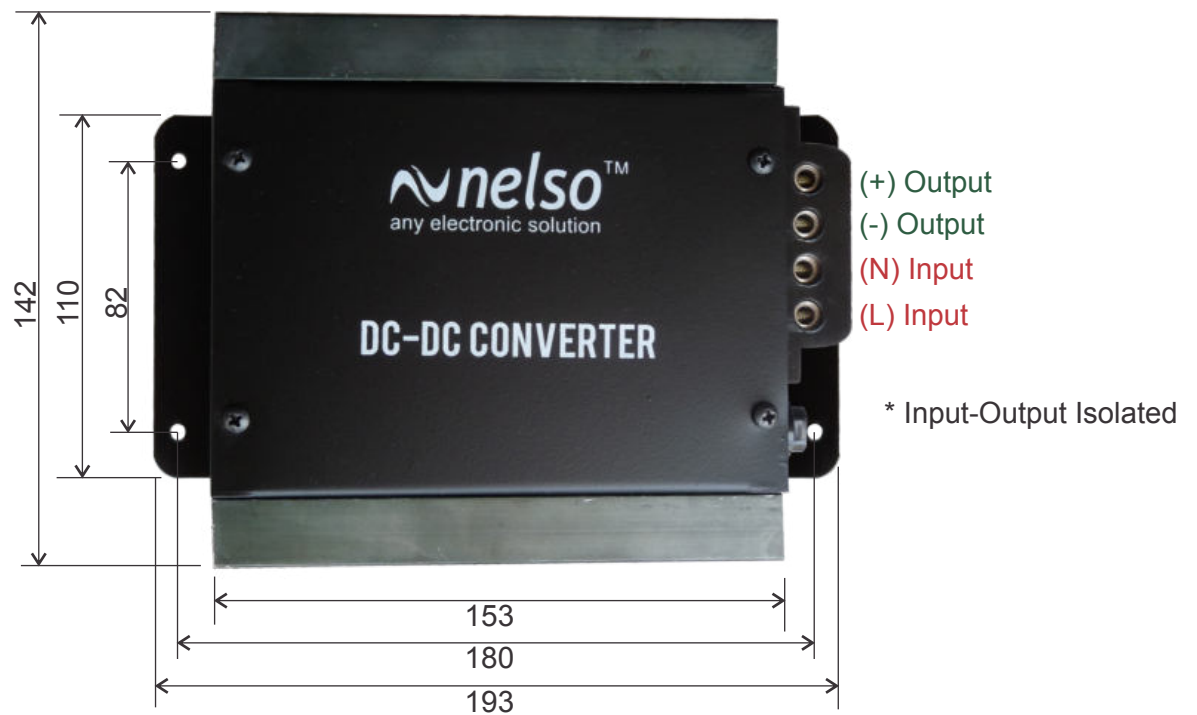
Model No.	Input Voltage	Output Voltage	Output Current	Efficiency	Ripple
DLS-23048AC	230V AC	48V DC	4A-10A	>80%	<150mV

Electrical Specification:

Input Voltage:	85V AC to 270V AC
Output Voltage:	48V DC (Regulated)
Output Current / Wattage:	4A-10A
Output Wattage:	192W-480W
Line Regulation:	±0.5%
Load Regulation:	± 1% at terminal block
Switching Frequency:	80 KHz
Efficiency:	>80% Typical
Topology:	Transformer isolated forward 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:	1200gm
Dimension (Height x width x depth):	193 x 142 x 70 mm

Mechanical Dimension of AC-DC Converter

Dimension and Pin Assignment



Unit: mm