

DCP-30-DP-230V-48V

Waterproof Transformer - 230V AC to 48V DC - 30 Amp Max

Product ID: 306884

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

DCP-30-DP-230V-48V Power Converter

Line In Voltage: 230V AC @ 47-63 hz

Line Out: 48V DC @ 30 Amps

Watts: 1,440W

AC Input Connector: 1` Pigtail, Straight Blade Plug

DC Output Connector: 1` Pigtail, 2 Pin Deutsch Connectors

Protection: Short Circuit/Overload/ Over Voltage/Over Temperature

Mounting: Two Screw Slide Notches

Operating Temp: -30 / +60C

Efficiency: 90%

Dimensions: 9.6"-L 2.5"-W 1.5"-D

Weight: 1 Lbs

Features

IP67 Rated Waterproof
Overload, Short Circuit ,Over Voltage, Over Temperature Protection
UL1012 Compliant
UL60950-1 Compliant
International Lighting Safety Standards Compliant
Suitable For LED Moving Signs
Suitable For Wet or Damp Locations

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

The Larson Electronics DCP-30-DP-230V-48V Waterproof Power Supply converts commonly used 230V AC electrical current to 48V DC @ 30 amps. This converter includes a typical straight blade plug on the input end and a 2 prong Deutsch connector on the output end. This unit allows users to use standard AC power to operate equipment like our LED light bars and HID Golights that require low voltage DC current.

The DCP-30-DP-230V-48V 1,440-watt power converter provides a safe and effective way for users

to tap into and utilize common 230 Volt AC power sources and convert this current to 48 Volts DC for use with equipment. This unit will output 1,440-watt 48 Volt DC current at 30 amps. This power converter features an IP67 rated waterproof design, making it suitable for indoor or outdoor use and is wet-damp area approved. This converter includes integral short circuit, over voltage, over temperature and overload protection that will shut down the unit or reduce output in case of faults and overloads to protect the unit and connected equipment from damage.

The small size and wide input voltage range of this unit make it ideal for indoor-outdoor operation of Larson Electronics LED light bars, Golights and other equipment. Measuring 9.6 inches long by 2.6 inches wide by 1.5 inches deep, this unit weighs approximately one pound and is mounted with two conventional screws via slots that allow removal and repositioning simply by loosening the screws.

This power converter has a -30 / +60C operating temperature range and is UL UL1012 and UL60950-1 compliant as well as compliant with worldwide safety regulations for lighting. This unit has a 90% conversion efficiency and is suitable for use with moving LED signs and similar LED equipment.

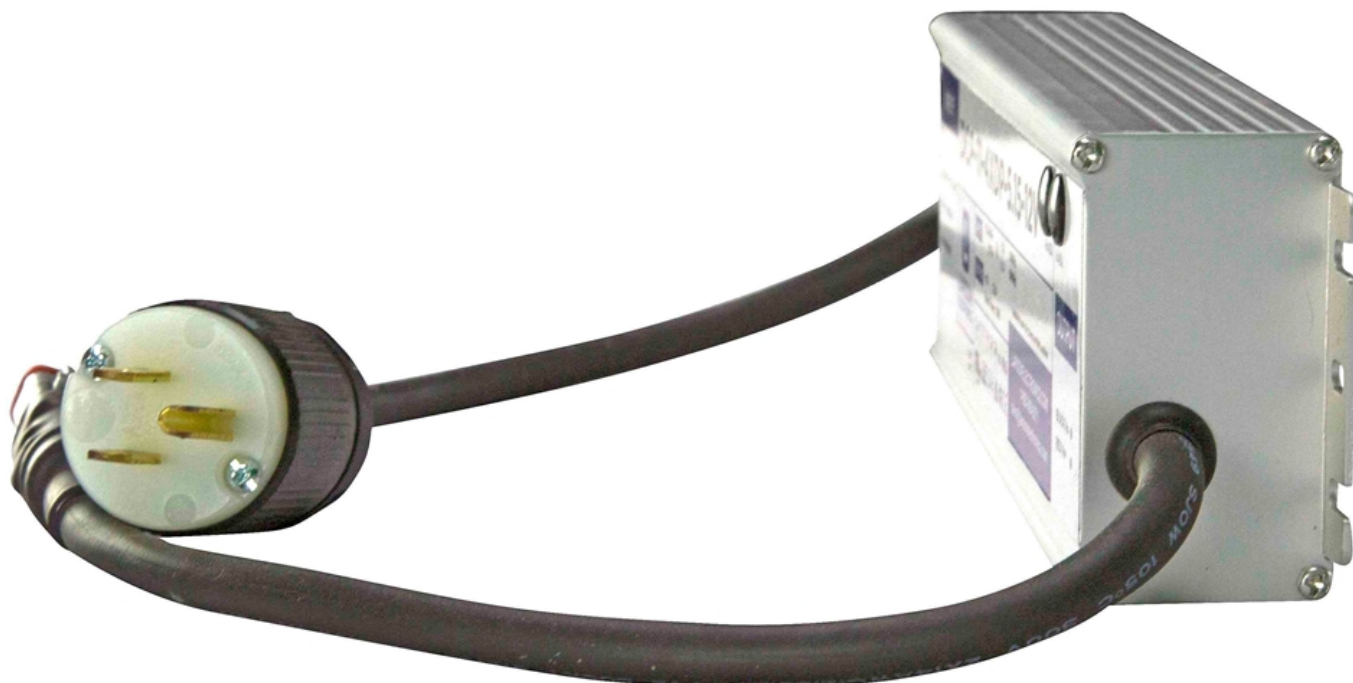
NOTE: In order to obtain the best performance and the longest operational life from these units, it is recommended that you do not exceed 75% of the unit's output amperage. Running these units at 100% of their capacity can create excess heat and lead to shortened converter life.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

Frequently Asked Questions (FAQ)









Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- [Wiring Diagram](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)