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DCP-48x125-0.8A-WP

100W Encapsulated DC to DC Converter- 48V DC to 125V DC - 0.8 Amps - Flying Leads/Waterproof

Product ID: 330907



Image: DCP-48x125-0.8A-WP

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-48x125-0.8A-WP DC to DC Converter
Line In Voltage: 48V DC (24-48 VDC Range)
Line Out Voltage: 125V DC @ 0.8 Amps (80-125 VDC Range)
Output Power Rating: 100W
DC Input Connector: 6" Pigtail, Flying Leads
DC Output Connector: 6" Pigtail, Flying Leads
Voltage Accuracy: +/- 1.5%
Output Frequency: 60 Hz
Line-In Regulation: +/- 0.2%
Line-Out Regulation: +/- 0.2%
Temperature Coefficient: +/- 0.03% /°C
Protection: Overvoltage/Overtemperature
Operating Temp: -10°C to +60°C
Efficiency: 90%
Dimensions: 3"-L x 3"-W x 1.25"-H
Mounting: (2) Side Located Thru-Holes
Weight: 0.75 lb

Features
IP67 Rated Waterproof
Overload, Short Circuit, Over Voltage Protection
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
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The Larson Electronics DCP-48x125-0.8A-WP Waterproof DC to DC Converter converts 48V DC electrical current to 125V DC at 0.8 amps max. This converter includes flying leads to hard wire this unit inline. This unit takes 48 volts DC and increases it to 125 volts DC, allowing users to use 125 volt DC power to operate equipment.

The DCP-48x125-0.8A-WP 100-watt power converter provides a safe and effective way for users to tap into and utilize 48 Volt DC power sources and steps up this current to 125 Volts DC for use with equipment. This unit can be operated with 48V DC input current and will output 125 Volt DC current to power lights and equipment up to 100 watts and 0.8 amps at 125V DC. This power converter features an encapsulated IP67 waterproof design, making it suitable for indoor or outdoor use and is wet-damp area approved. This converter includes integral short circuit, over voltage, 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.

This converter is equipped with two 6" wires on the input side and two 6" wires on the output side. All leads are stripped and tinned for equipment installation.

This converter is enclosed in a cast aluminum housing for heat distribution. All electronic components are encapsulated within the housing. This power converter has a -10°C to +60°C operating temperature range. This unit has a 95% conversion efficiency and is suitable for use with moving LED signs and similar LED equipment. These units have a fixed switching frequency at 43KHz.

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.

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Frequently Asked Questions (FAQ)

There are no Faqs