Larson Electronics LLC
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DCP-29.60x13.8-22A

Encapsulated DC to DC Converter, 29-60V DC to 13.8V DC - 22 Amps - 5-Way Mini-Fit SR. Connector - IP65 Rated

Product ID: 320931

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



Image: DCP-29.60x13.8-22A

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-29.68x13.8-22A DC to DC Converter

Line In Voltage: 29-60V DC

Line Out Voltage: 13.8V DC @ 22 Amps

Watts: 300
Connection Type: 5-Way Mini-Fit SR. Connector
Ripple & Noise: <100 mVpp
Voltage Accuracy: +/- 1.0 %
Output Frequency: 110 KHz
Line Regulation: +/- 0.5%
Load Regulation: +/- 0.2%
Isolation Voltage: 1000 VDC / 1 min
Inrush Current: <5A
Temperature Coefficient: 0.05% / °K
Short-circuit Protection: Yes (Switch-off, Auto Recovery)
Over Temperature Protection: Yes
Vibration Resistance: Yes
Operating Temp: -40 to +105°C [-40°C to +70°C @ Full Load]
Efficiency: 86% (Typ @ Full Load)
Dimensions: 115mm x 72mm x 49mm
Enclosure Rating: IP65, Encapsulated

Features

IP65 Rated
Short Circuit, Over Voltage, Over Current, Over Temperature, Current Limiting, and Fault Display
International Lighting Safety Standards Compliant
Suitable For LED Moving Signs
Suitable For Wet or Damp Locations
UL/EN Certified
CE Certified
Contact Cooling

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187

Mounting: DIN Mount
Weight: 0.4 Lbs

Fax: 1-903-498-3364
E-mail: sales@larsonelectronics.com

The Larson Electronics DCP-29.60x13.8-22A Encapsulated DC to DC Converter converts 29-60V DC electrical current to 13.8V DC at 22 amps max. This converter features a compact, encapsulated design and includes a 5-Way Mini-Fit SR. connector for secure integration into DC systems. Designed for rugged use, the unit is IP65 rated, DIN rail mountable, and vibration-resistant—making it ideal for industrial and mobile power applications.

The DCP-29.60x13.8-22A 300 watt power converter provides a safe and effective way for users to tap into and utilize 29-60 Volt DC power sources and step down this current to 13.8 Volts DC for use with equipment that requires 13.8V DC electrical power. This unit will output 13.8 Volt DC current to power lights and equipment up to 300 watts and 22 amps at 13.8V DC. This power converter features short circuit protection to safeguard 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 that requires 13.8V DC current in locations where 29-60V DC power is readily available.

This converter is equipped with 5-way Mini-Fit SR. connections for reliable wiring.

Features: The DCP-29.60x13.8-22A converter features 29-60V DC input capability and converts this DC power input to 13.8V DC output at 300 watts, 22 amps. This unit is short circuit protected and suitable for harsh environments with an operating temperature of -40°C to +105°C (-40°C to +70°C @ full load). Ideal for industrial or mobile DC-powered applications.

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Frequently Asked Questions (FAQ)

There are no Faqs

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Export Control Classification Number (ECCN): EAR99

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