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DCP-480-16-HD-AC

Waterproof Transformer - Converts 180-528V AC to 24 Volts AC - 10 Amps Max - 240W Rated Power

Product ID: 150844

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-480-16-HD-AC Power Converter
Line In Voltage: 180-528V AC @ 47~63Hz
Line Out: 24V AC @ 10 Amps
Watts: 240
AC Input Connector: Terminal Block
AC Output Connector: Terminal Block
Protection: Short Circuit/Overload/Over Voltage
Mounting: Two Screw Slide Notches
Operating Temp: -40°C - +85°C
Efficiency: 92.5%
Dimensions: 9.64"L x 2.67"W x 1.53"D
Weight: 2.88 Lbs

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

Special Orders - Special Requirements
Contact us for special requirements

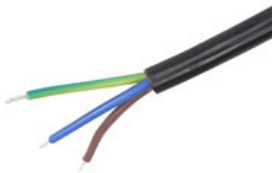
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The Larson Electronics DCP-480-16-HD-AC Waterproof Power Supply converts commonly used 180-528V AC electrical current to 24V AC @ 10 Amps. This converter is designed to be hardwired into home, boat, or vehicle electrical supplies where the voltage is typically within the 180-528V AC range and reduces it to 24V AC, allowing users to use standard AC power to operate equipment like our LED light bars and remote control

spotlights that require 24 Volt AC current.
The DCP-480-16-HD-AC 240 watt power converter provides a safe and effective way for users to tap into and utilize common 180 to 528 Volt AC power sources and convert this current to 24 Volts AC for use with equipment that requires 24 volt AC electrical power. This unit can be operated with input current ranging from 180 to 528V AC and will output 240 watts at 10 amps on a 24 Volt AC current. This power converter features an IP67 rated waterproof design, making it suitable for indoor or outdoor use and includes integral short circuit and overload protection that will shut down the unit in case of faults and overloads to protect the unit and connected equipment from damage.



Click Photo to Enlarge



Click Photo to Enlarge

The small size and wide input voltage range of this unit make it ideal for operating Larson Electronics LED light bars, remote control spotlights, and other equipment that requires 24V DC current indoors or outdoors and anywhere 24 volt AC power is not readily available. Measuring 9.64 inches long by 2.67 inches wide by 1.53 inches deep, this unit weighs 2.88 pounds and is mounted with two conventional screws via slots that allow removal and repositioning simply by loosening the screws.
This converter is enclosed in a weather proof enclosure that has a 1/2" NPT hub on each end. This unit is also equipped with terminal blocks for making connections.
The DCP-480-16-HD-AC 240 watt converter features full range, universal AC input capability and can be operated with 180-528V AC. The unit converts this AC power input to 240 watts, 10 Amp 24V AC output. IP67 rated, this unit is waterproof and suitable for indoor or outdoor applications. Integrally designed protection includes overload, short circuit and over voltage safeguards to prevent overheating and unit damage in case of faults or overly heavy current draw. This unit will shut down when an over current or over voltage condition is encountered and recovers when manually turned back on.
This power converter has a -40°C to +85°C 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 92.5% 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. To determine if this converter suits your desired application, add together the total wattage of the equipment you intend to use with this unit and divide this total by 24 volts to find the total amperage draw that will be placed upon the converter. For example, if you are using our LEDP10W-60E 60 watt LED light, 60 watts divided by 24 volts is 2.5 amps. This would mean the DCP-480-16-HD-AC is well suited as it would run at slightly less than 50% capacity to produce the necessary 2.5 amps. 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)

DCP-480-16-HD-AC

Product ID: 150844

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **CE Certificate**
- **MSDS (Material Safety Data Sheet**
- **RoHS Certificate (Restriction of Hazardous Substances)**
- **HigResPic1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**