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DCP-11-DP

Transformer enables Larson Electronics DC Lights to 106 watts to be run from wall outlet -11 amp m

Product ID: 45227

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-11-DP Power Converter
Line In Voltage: 100-277VAC @47~63 hz
Line Out: 12VDC @ 11 Amps, 24VDC @ 6.25 Amps
Watts: 106
AC Input Connector: 1` Pigtail, Cord Cap
Cord Cap: 5-15, 6-15, L5-15, L6-15, BS1363, Schuko, or Pigtail
DC Output Connector: 1` Pigtail, 2 Pin Deutsch Connector
Protection: Short Circuit/Overload/ Over Voltage
Mounting: Two Screw Slide Notches
Operating Temp: -30 / +70C
Efficiency: 92%
Dimensions: 8.7"-L 2.5"-W 1.5"-D
Weight:1 Lbs

DCP-11-DP 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- Requirements
Contact us for special requirements

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The Larson Electronics DCP-11-DP Waterproof Power Supply converts commonly used 100 - 277VAC electrical current to 12VDC @11 Amps. This converter includes a typical straight blade plug on the input end and a 2 prong Deutsch connector on the output end. This converter can operate with voltages within the 100-277VAC range and converts it to 12VDC, allowing users to use standard AC power to operate equipment like our LED and HID lights that require 12 Volt DC current.
The DCP-11-DP 106 watt power converter provides a safe and effective way for users to

tap into and utilize common 100 to 277 Volt AC power sources and convert this current to 12 Volts DC or 24 Volts DC for use with equipment that requires 12/24 volt DC electrical power. This unit can be operated with input current ranging from 100 to 277 VAC and will output 12 Volt DC current at 11 amps or 24 Volt DC current at 6.25 amps. 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



Click Photo to Enlarge

This converter comes with a straight blade plug on the input lead and a two pin Deutsch connector on the output lead, allowing users to simply plug the unit into a typical wall outlet, then connect any of our 12 volt lights equipped with Deutsch connectors. Most of our 12 volt LED lights and LEDLB, LEDLB-E, LEDP series lights as well as many of our HID units utilize Deutsch connectors, making this unit "plug-n-play" compatible. This converter will also work with our HML-1, CML-1, CML-2, HML-2, CML-3, HML-3 and CML-4 and HML-4 series spotlights. NOT COMPATIBLE WITH HID GOLIGHT 3XXXH-X REMOTE CONTROL SPOTLIGHTS. If you purchase this transformer with any of our Larson Electronics lights, we will make sure that the connectors are a match.
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 12VDC current indoors and anywhere 12 volt DC power is not readily available. Measuring 8.7 inches long by 2.5 inches wide by 1.5 inches deep, this unit weighs less than one pound and is mounted with two conventional screws via slots that allow removal and repositioning simply by loosening the screws.

Click Photos to Enlarge



5-15 Straight Blade Plug
15 Amp / 125V Rated



L5-15 Twist Lock Plug
15 Amp / 125V Rated



L6-15 Twist Lock Plug
15 Amp / 250V Rated



UK BS1363 Straight Blade Plug
13 Amp / 250V Rated / Internal Fuse



Intl Schuko 2-Pin Plug
16 Amp / 250V Rated / Grounded



Flying Leads / Pigtail Wires

The DCP-11-DP 106 watt converter features full range, universal AC input capability and can be operated with 100 to 277VAC. The unit converts this AC power input to 106 watt at 11 Amps on 12VDC output or 6.25 Amps on 24VDC current. 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 -30 / +70C 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% 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 12 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 12 volts is 5 amps. This would mean the DCP-11-DP is well suited as it would run at slightly less than 50% capacity to produce the necessary 5 amps. Running these units at 100% of their capacity can create excess heat and lead to shortened converter life.

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Frequently Asked Questions (FAQ)

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DCP-11-DP

Product ID: 45227

Export Control Classification Number (ECCN): EAR99

Options:

DCP-11-DP-Cord Cap-Output Voltage

Example: DCP-11-DP-5.15-12V

Cord Cap	
5-15 STRAIGHT	-5.15
6-15 STRAIGHT	-6.15
L5-15 TWIST	-L5.15
L6-15 TWIST	-L6.15
UK BS1363	-BS1363
INTL SCHUKO	-Schuko
FLYING LEADS	-Pigtail

Output Voltage	
12 VOLTS	-12V
24 VOLTS	-24V

Links (Click on the below items to view):

- CE Certificate
- Certificate 1, Misc
- Certificate 2, Misc
- Certificate 3, Misc
- MSDS (Material Safety Data Sheet
- Operations Manual
- RoHS Certificate (Restriction of Hazardous Substances)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- Video1
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map