

**Dimmable Waterproof Transformer Converts 120V-277V AC (wall outlet) to 12/24 Volts DC - 11  
Amps Max  
DCP-11-DIMM**



**DCP-11-DIMM Power Converter**

**Line In Voltage:** 100-277VAC @47-63 hz

**Line Out:** 12VDC @ 11 Amps, 24VDC @ 6.25 Amps

**Dimmable:** Yes - 1-10V DC or 10V DC PWM

**Watts:** 106

**AC Input Connector:** 1` Pigtail, Stripped/Tinned Leads

**DC Output Connector:** 1` Pigtail, Stripped/Tinned Leads

**Dimmable Connector:** 1` Pigtail, Stripped/Tinned Leads

**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"-L

**Weight:** 1 Lbs

**DCP-11-DIMM-12V 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

Dimmable Power Supply

**Special Orders- Requirements**

Contact us for special requirements

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**The Larson Electronics DCP-11-DIMM Waterproof Dimmable Power Supply converts commonly used 100-277VAC electrical current to 12VDC @11 Amps. This converter is designed to be hardwired into home, boat or vehicle electrical supplies where the voltage is typically within the 100-277VAC range and reduces it to 12VDC, allowing users to use standard AC power to operate equipment like our LED light bars and HID Golights that require 12 Volt DC current. This AC to DC transformer is equipped with two dimming control wires for 1-10V dimming or 10V PWM dimming.**

The DCP-11-DIMM 106 watt dimmable 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 electrical power. This unit can be operated with input current ranging from 100 to 277 VAC and will output 106 watts at 11 amps on a 12 Volt DC current or 6.25 amps on a 24 Volt DC 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.

The DCP-11-DIMM features low voltage DC red (+) and black (-) output cables for connecting to equipment, and blue (+) and white (-) dimming cables. This dimmable power supply is a constant current level adjustable through the dimmable output cables with 1-10V DC or 10V PWM signal or resistance.



12V or 24V DC (+) and (-) Output  
Cables  
[Click Photo to Enlarge](#)



Dimming (+) and (-) Control Wires  
[Click Photo to Enlarge](#)



AC Line, Neutral, and Ground Supply  
Cables  
[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, Golights and other equipment that requires 12VDC current indoors or outdoors 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.

This converter comes with clearly labeled input and output leads that are approximately 1 foot long and stripped and tinned for hardwired connections using butt splice connectors, wire screws, plates, etc.

The DCP-11-DIMM 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 watts, 11 Amp 12VDC or 6.25 Amp 24VDC 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 -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-DIMM-12V 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.

**Options:**

**DCP-11-DIMM-Voltage**

**Example: DCP-11-DIMM-12V**

Voltage	
12 VOLT	-12V
24 VOLT	-24V

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