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DCP-23CP-12V

AC to DC Power Supply - Converts 110-277V AC (wall outlet) to 12 Volts DC - Capacity to 23 amps

Product ID: 1494

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-23CP-12V Power Converter
Line In Voltage: 100-277VAC @47~63 hz
Line Out: 12VDC @ 23 Amps
Watts: 250
AC Input Connector: 1` Pigtail, Straight Blade Plug
DC Output Connector: Cig Plug Outlet
Protection: Short Circuit/Overload/ Over Voltage
Mounting: Hangable and Mountable Metal Strip
Operating Temp: -30 / +70C
Efficiency: 92%
Dimensions: 8.7"-L 2.5"-W 1.5"-D
Weight:1.5 Lbs

DCP-23CP-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

Special Orders - Special Requirements
Contact us for special requirements

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Made in Texas

The Larson Electronics DCP-23CP-12V Waterproof Power Supply with cigarette plug outlet converts commonly used 100 - 277V AC electrical current to 12V DC for low voltage lights and equipment. This converter can operate with voltages within the 100-277V AC range and converts it to 12V DC, allowing users to use standard AC power to operate equipment

like our LED and HID lights that require low voltage DC current.

The DCP-23CP-12V 250 watt power converter with inline switch 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 for use with equipment that requires 12 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 up to 23 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

This DC power supply enables the Larson Electronics Spotlight to work from normal wall outlet and/or direct wire to a 110 AC circuit. This AC / DC converter can support up to 23 amps. This power conversion units is suitable for all Golights and Larson Electronicss found on this site. This also includes all the new HL-85-HID spotlights and all other High Intensity Discharge Spotlights and Flood lights on this site. 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 and anywhere 12 volt DC power is not readily available.

This converter comes with a mounted cigarette plug outlet inside of a weatherproof outlet box. Also included is 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 directly. This allows a more secure connection that wont come unplugged. 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. If you purchase this transformer with any of our Larson Electronics lights, we will make sure that the connectors are a match.

The outlet and converter assembly is mounted to a heavy gauge metal strip with a machined oval opening on one end for easy hanging of the assembly from hooks or other convenient mounting locations. Users can also permanently mount the strip if desired. This unit is durable enough to be used as an inline converter connected between extension cords and devices, allowing users to simply connect the converter and pull the cord behind them just as they would when using any ordinary power cord.

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-23CP-12V is well suited as it would run at 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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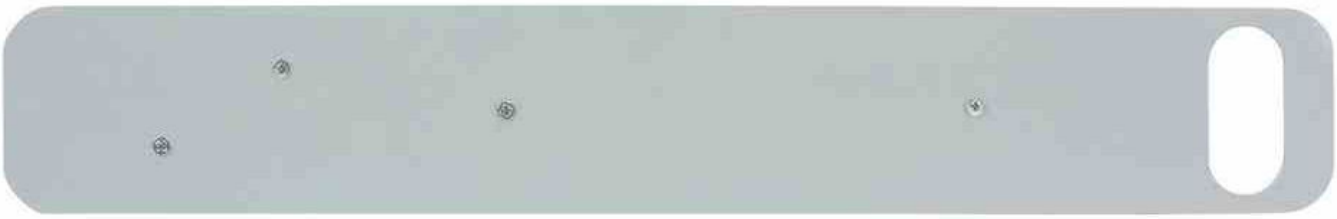

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Product ID: 1494

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **Operations Manual**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **Video1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**