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RNT-DCP-40-4XDP

***RENT* 480W 4 Plug Multiport Waterproof Power Supply Converts 90-305VAC to 12/24VDC - Capacity to 40 Amps**

Product ID: 243511

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.

RNT-DCP-40-4XDP-4XDP 480W Power Supply

Line In Voltage: 90-305V AC @ 47~63 Hz

Line Out: 12V DC @ 40 Amps, 24V DC @ 20 Amps

Watts: 480
AC Input Connector: 1` 16/3 SOOW w/ General Area Cord Cap
Cord Cap Options: 5-15 Straight, 6-15 Straight, L5-15 Twist, L6-15 Twist, UK BS1363, Intl. Schuko, Pigtail
DC Output Connector: 1` Pigtail, (4) 2 Pin Deutsch Connectors
Protection: Short Circuit/Overload/ Over Voltage/Over Temperature
Mounting: Two Screw Slide Notches

Operating Temp: -40°C to +70°C

Efficiency: 96%

Dimensions: 11.02"-L x 5.67"-W x 1.91"-H

Weight: 6.39 Lbs

RNT-DCP-40-4XDP-4XDP Features

IP67 Rated Waterproof
Overload, Short Circuit ,Over Voltage, Over Temperature Protection
UL8750 & UL60950-1 Compliant
International Lighting Safety Standards Compliant

Suitable For LED Moving Signs

Suitable For Wet or Damp Locations

Special Orders- Requirements
Contact us for special requirements

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This unit is for rentals.

The Larson Electronics RNT-DCP-40-4XDP Waterproof 480W Power Supply converts 90-305V AC electrical current to 12V DC @ 40 Amps. This converter includes a typical straight blade plug on the input end and four 2-prong Deutsch connectors on the output end.This unit takes voltages within the 90-305V AC range and reduces it to 12VDC or 24VDC, allowing

users to use standard AC power to operate equipment like our LED light bars and HID Golights that require low voltage DC current.
The RNT-DCP-40-4XDP 480 watt power converter provides a safe and effective way for users to tap into and utilize 90 to 305 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 90 to 305V AC and will output 480 watt 12 Volt DC current at 40 amps or 24 Volt DC current at 20 amps. This power converter features an IP67 rated waterproof design, making it suitable for indoor or outdoor use and is wet-damp area approved. This converter includes integral short circuit, over voltage, over temperature and overload protection that will shut down the unit or reduce output in case of faults and overloads to protect 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 12VDC current and anywhere 12 volt DC power is not readily available. Measuring 11.02 inches long by 5.67 inches wide by 1.91 inches deep, this unit weighs approximately 6.39 pounds and is mounted with two conventional screws via slots that allow removal and repositioning simply by loosening the screws.
This converter comes with a straight blade plug on the input lead and four two-pin Deutsch connectors on the output lead, allowing users to run four fixtures off one transformer, keeping in mind that the total amperage should ideally be kept within 75% of the unit`s total amperage output and not surpass its amperage maximum (40 amps @ 12VDC, 20 amps @ 24VDC). 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. THIS WILL NOT WORK WITH THE HID GOLIGHT SPOTLIGHTS (GL-3XXXH-X models). If you purchase this transformer with any of our Larson Electronics lights, we will make sure that the connectors are a match.

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

Wiring/Plug: This waterproof power supply is equipped with 1 foot of 16/3 chemical and abrasion resistant SOOW cord that is fitted with an industrial grade cord cap for easy connection to common wall outlets. Plug options include standard 5-15 15 amp straight blade plug for 110V wall outlets with ground, standard 6-15 15 amp straight blade plug for 220-240V wall outlets with ground, NEMA L5-15 15 amp twist lock plug for 125V twist lock outlets, NEMA L6-15 15 amp twist lock plug for 240V twist lock outlets, British BS1363 13 amp fused 3-

blade plug for United Kingdom outlets, or a two pin 16 amp rated Schuko plug with ground contact and socket for European outlets up to 250V. Alternatively, we can provide flying leads with no plug for hard wire applications or for operators who prefer to wire in user provided cord caps. Please choose pigtail option below for flying leads with no plug.

Features: The RNT-DCP-40-4XDP 480 watt converter features full range, universal AC input capability and can be operated with 90 to 305V AC. The unit converts this AC power input to 480 watt, 40 Amp 12V DC or 20 Amp 24V DC output. IP67 rated, this unit is waterproof, wet and damp area approved and suitable for indoor or outdoor applications. Integrally designed protection includes overload, short circuit, over temperature and over voltage safeguards to prevent overheating and unit damage in case of faults or overly heavy current draw. This unit will limit current when an over current condition is encountered and recovers when the condition is removed. This unit will enter hiccup mode under short circuit conditions and recover when the fault is removed. The unit will also shut down when an over temperature condition occurs and recovers automatically when the temperature returns to normal levels.

This power converter has a -40°C to +70°C operating temperature range and is UL UL60950-1 and UL8750 compliant as well as compliant with worldwide safety regulations for lighting. This unit has a 96% conversion efficiency and is suitable for use with moving LED signs and similar LED equipment. These units also feature Power Factor Correction, adjustable output current range from 20 ~ 40A either through the output cable or internal potential meter and have an input frequency range of 47 ~ 63Hz.

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 two of our LEDP10W-120E 120 watt LED lights, 240 watts divided by 12 volts is 20 amps. This would mean the RNT-DCP-40-4XDP is well suited as it would run at 50% capacity to produce the necessary 20 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)

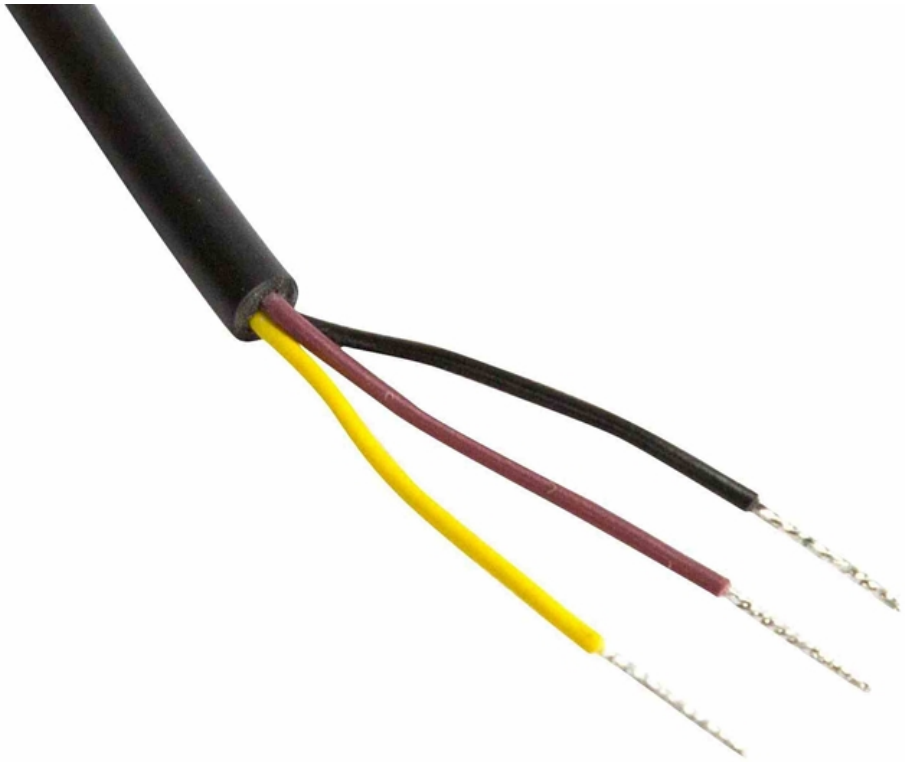
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TEFN CORS 90C 600V





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RNT-DCP-40-4XDP

Product ID: 243511

Export Control Classification Number (ECCN): EAR99

Options:

RNT-DCP-40-4XDP-Rental Length-Voltage-Cap

Example: RNT-DCP-40-4XDP-MR-12V-5.15

Rental Length	
MONTHLY	-MR
WEEKLY	-WR
DAILY	-DR

Voltage	
12 VOLT	-12V
24 VOLT	-24V

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
PIGTAIL	-Pigtail

Links (Click on the below items to view):

- **Dimensional Drawing 2D**
- **Operations Manual**
- **STEP File (3D CAD Model)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**