Larson Electronics LLC
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DCP-480V-125V-132A

16.5 KW AC/DC Converter - 480V AC Input, 125V DC Output - 132 Amp

Product ID: 333526

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).

Image: DCP-480V-125V-132A

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-480V-125V-132A AC to DC Converter

Line In Voltage: 480VAC ± 15%
Line Out: 125VDC @ 132 Amp
Watts: 16,500
Input Frequency: 50/60 Hz
Voltage Stabilization: ≤ 0.3% +10 mV
Load Stabilization: ≤ 0.5% +30 mV
Ripples and Noises: ≤ 0.5% +10 mV rms
Voltage Display Accuracy: 4-digit accuracy: ±1%+1 word (10%-100% rating)
Current Display Accuracy: 4-digit accuracy: ±1%+1 word (10%-100% rating)
Remote Adjustments: (Analog control: Voltage adjustable) 0-5VDC; (Current adjustable) 0-5VDC
Remote Display: (Analog control: Voltage adjustable) 0-5VDC; (Current adjustable) 0-5VDC
Output Overvoltage Protection: Built-in O.V.P. protection, protection limited value is rated +5%
Overload & Overcurrent Protection: Overload, current limit, constant current output
Over Temperature Protection: Built-in O.T.P. protection, protection value 85□±5% with heat temperature
Voltage/Current Setting: 10-turn precision potentiometer
Output Positive (+) Regulation: Can be grounded at will

Features

IP20 Rated
Overload, Short Circuit, Over Voltage Protection
UL1310 Class 2 Rated
CAN/CSA C22.2 No. 223-M91
Suitable For LED Moving Signs

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Heat Dissipation Way: Forced Fan Cooled
LCD Indicator: Included, Output Current, Output Voltage
Mounting: Rack Mount
Operating Temp: -20 / +60C
Efficiency: > 89%
Dimensions: 26.25" x 19.13" x 6.3"
Weight: 50.33 Lbs

Special Orders- Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
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The Larson Electronics DCP-480V-125V-132A Power Supply converts commonly used 480V 3 Phase AC electrical voltage to 125VDC @ 132 Amp. This converter operates with common voltages within the 480V AC range and converts it to 125VDC, allowing users to use standard three phase AC power to operate equipment like LED systems, industrial controls and DC-powered equipment.

The DCP-480V-125V-132A 16,500 watt power converter provides a safe and effective way for users to tap into and utilize 480V AC power sources and convert this current to 125 Volts DC. This unit can be operated with input 480V AC and will output 125 Volt DC current at 132 amp. This power converter features an IP54 rated enclosure, making it suitable for indoor or outdoor use and includes integral short circuit, overload and over voltage protection that will shut down the unit in case of faults and overloads to protect the unit and connected equipment from damage.

The larger power capacity and industrial-grade design of this unit make it ideal for operating Larson Electronics LED systems, battery charging systems, DC drives and other equipment that requires 125VDC voltage indoors or in locations where 125 volt DC power is not readily available.

The DCP-480V-125V-132A watt converter features full range three phase AC input capability and can be operated with 480V AC. The unit converts this AC power input to 16,500 watt, 132 Amp 125VDC output. IP54 rated, this unit is designed for industrial environments and suitable for indoor or outdoor applications. Integrally designed protection includes overload, short circuit, over voltage and over temperature safeguards to prevent overheating and unit damage in case of faults or overly heavy current draw. This unit will shut down when an overcurrent fault is encountered and automatically resume operation once the fault is repaired or removed. When an overvoltage condition is encountered the unit will shut down and recover when manually turned back on.

This power converter has a -20 / +60C operating temperature range and is UL 1310 Class 2 and CAN/CSA C22.2 No. 223-M91 rated. This unit has an 85% conversion efficiency and is suitable for use with moving LED signs and similar LED equipment.

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Frequently Asked Questions (FAQ)

There are no Faqs

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Product ID: 333526

Export Control Classification Number (ECCN): EAR99

Options:

DCP-480V-125V-132A-Voltage
Example: DCP-480V-125V-132A-12V

Voltage	
12VDC	-12V
24VDC	-24V

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- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/333526.JPG)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
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