Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

DCP-208V-125V-56A-12V-6FT-100FT

7 KW AC/DC Converter - 208V AC Input, 125V DC Output - 56 Amps - 6' Input/100' Output Cords

Product ID: 315909



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-208V-125V-56A-12V-6FT-100FT AC to DC Converter

Line In Voltage: 208V AC ± 15%
Line Out: 125V DC @ 56 Amps
Watts: 7,000W
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
Heat Dissipation Way: Forced Fan Cooled
LCD Indicator: Included, Output Current, Output Voltage
Mounting: Rack Mount
Operating Temp: -20 / +60C
Efficiency: > 89%
Wiring: 6' 16/3 Input Cord w/ Straight Blade Plug, 100' 12/3 Output Cord w/ Cigarette Plug

Features

IP64 Rated Waterproof
Overload,Short Circuit,Over Voltage Protection
UL1310 Class 2 Rated
CAN/CSA C22.2 No. 223-M91
Suitable For LED Moving Signs

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671
Intl: 1-903-270-1187

Dimensions: 13.78" x 5.9" x 6.3"

Weight: 14.33 Lbs

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

The Larson Electronics DCP-208V-125V-56A-12V-6FT-100FT Power Supply converts commonly used 208V AC electrical voltage to 125V DC @ 56 amps. This converter includes a 6' cord with a straight blade plug on the input end and a 100' cord with a cigarette lighter plug-in socket on the output end. This converter allows users to use standard AC power to operate equipment like our LED and HID lights.

The DCP-208V-125V-56A-12V-6FT-100FT 7,000-watt power converter provides a safe and effective way for users to tap into and utilize 208V AC power sources and convert this current to 125 volts DC. This unit can be operated with input 208V AC and will output 125 Volt DC current at 56 amps. This power converter features an IP64 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.

This converter comes with a 6' 16/3 input cord with straight blade plug and a 100' 12/3 output cord with a cigarette plug socket, allowing users to simply plug the unit into a typical wall outlet. Many of our 12 volt LED lights and LEDLB, LEDLB-E, LEDP series lights as well as many of our HID units are available with cigarette plugs, making this unit "plug-n-play" compatible. 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 125V DC voltage indoors and anywhere 125 volt DC power is not readily available.

Measuring 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.

The DCP-208V-125V-56A-12V-6FT-100FT watt converter can be operated with 208V AC. The unit converts this AC power input to 7,000 watts, 56 Amps 125V DC output. IP64 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 fault is encountered and automatically resume operation once the fault is repaired or removed. When an over voltage condition is encountered the unit will shut down and recovers when manually turned back on.

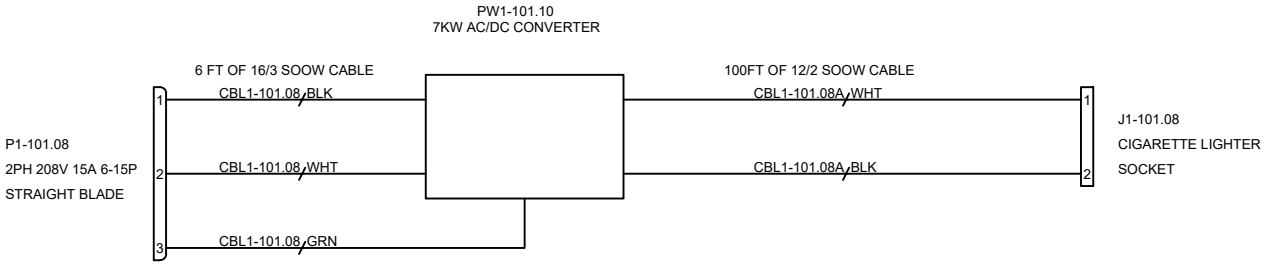
This power converter has a -20 / +60C operating temperature range and is UL 1310 Class 2 and CAN/CSA C22.2 No. 223-M91 rated. This unit has an 85% conversion efficiency and is suitable for use with moving LED signs and similar LED equipment.

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.

REV	DESCRIPTION	DATE
A	PRODUCTION RELEASE	5/6/2025

DCP-208V-125V-56A-12V-6FT -100FT-12V

LARSON ELECTRONICS®



TAGS	QTY	CATALOG	DESCRIPTION
P1-101.08	1	UNV00011123	250V 13 AMP BRITISH 2P-3 WIRE PLUG
J1-101.08	1	UNV00021810	Black Cigarette Lighter Plug Socket - Marine rated for Boat Use - 12 & 24 Volt Use
PW1-101.10	1	N/A	7 KW AC/DC Converter - 208V AC Input, 125V DC Output - 56 Amps
CBL1-101.08	1	UNV00009083	CORD 16/3 SOOW UL 90C BLK CABLE
CBL1-101.08A	1	UNV00016497	12/2 SOOW CABLE

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TITLE: DCP-208V-125V-56A-12V-6FT-100FT-12V

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INPUT
DCP-11-CP-12V
OUTPUT


INPUT
DCP-11-CP-12V
OUTPUT




INPUT
DCP-11-CP-12V
LARSON ELECTRONICS
OUTPUT

Frequently Asked Questions (FAQ)