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DCP-50A-120VDC-DP-WP

6 KW 3-Ph AC to DC Rectifier - 480V AC Input, 120V DC Output - 60 Hz

Product ID: 338276

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



Image: DCP-50A-120VDC-DP-WP

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-50A-120VDC-DP-WP AC to DC Converter

Unit Type: AC to DC Rectifier, Weatherproof
Dimensions: TBD
Weight: TBD
Input Voltage: Three Phase 480V AC, 60 Hz
Input Current: 9 A
Output Voltage: 120V DC, two wire
Output Current: 50 A
Capacity Rating: 6 KW
Inrush Current: -
Startup Time: 400 mS
Input Undervoltage: No Damage for Input Less Than 360V AC
Power Factor: -
Output Voltage Remote Adjustment: External 1K Potentiometer (Not Included)
Polarity: Output is Floating and Can Used on Either Polarity
Drift: +/- 0.1% Over 8 Hours, After 30-minute Warm Up
Temperature Coefficient: +/- 0.02%/C
Holdup Time: 33 ms minimum
Transient Response: 300 µS to Return to ±1% of Output Setting. Maximum of ±3% Output Excursion Following a Load Step Change from 50% to 100%
Remote Sensing: Compensates up to 0.5V drop per Output Line

Ratings

Forced Air Cooling
Remote Sensing

Protection: Overload, Over Voltage, Output Inhibit, Thermal Protection
Efficiency: 80%
Ripple/Noise: 170 mV RMS
Switching Frequency: 55 kHz
Cooling: Forced Air
Operating Temp: 0C to +71C
Materials: Metal
Mount: Surface Mount Feet
Wiring: Terminals

Special Orders - Special Requirements
Contact us for special requirements
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The Larson Electronics DCP-50A-120VDC-DP-WP AC to DC Rectifier provides accurate voltage control and power management features for industrial operations. This unit is compatible with three-phase 480V AC @ 60 Hz input and provides 120V DC output. Equipped with protective functions, the device features remote sensing and surface mount feet at the bottom of the enclosure.

The DCP-50A-120VDC-DP-WP is a compact AC to DC rectifier for industrial facilities. The universal input voltage unit accepts 480V AC @ 60 Hz power and offers 120V DC output. The device operates at 80% efficiency. Protective features include overload, over voltage, output inhibit and thermal protection.

This enclosed unit is constructed of metal and features forced air cooling. Operators can access terminals for power connections.

Mounting: The power converter is equipped with surface mount feet at the bottom of the unit.

Applications: Industrial sites, factory control, automation, laser machines, manufacturing, voltage control, power management, digital broadcasting, RF applications, computerized systems and more.

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)

There are no Faqs

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/338276.JPG)
- **Video1**(https://www.youtube.com/watch?v=1ZUP0hZxQIk)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
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