

DCP-50A-125VDC-DP-WP

6.25 KW 3-Ph AC to DC Rectifier - 120V AC Input, 125V DC Output - 60 Hz

Product ID: 326339

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



Image: DCP-50A-125VDC-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 Rectifier

Unit Type: AC to DC Rectifier, Weatherproof

Dimensions: 130 × 450 × 600 mm

Front Panel Dimensions: 132 × 483 mm (19" – 3U)

Weight: TBD

Input Voltage: 120V AC (±5%), 60 Hz

Output Voltage: 125V DC Nominal

Output Current: 50 A

Capacity Rating: 6.25 KW

Startup Time: 400 mS

Efficiency Factor: 0.95

Power Factor: 0.95

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

Protection: Overload, Over Voltage, Output Inhibit, Thermal Protection

Efficiency: 95%

Ratings

EN 60950

EN 61010

EN 61326-1



Ripple/Noise: 170 mV RMS

Battery Type: Lead-acid (PB) / 60 cells

Switching Frequency: 55 kHz

Cooling: Natural Ventilation

Operating Ambient Temperature: -20°C to +50°C

Mechanical Protection: IP20

Cable Entry: Bottom

Materials: Metal

Mount: Surface Mount Feet

Wiring: Terminals

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

Fax: 1-903-765-7664

E-mail: sales@larsonelectronics.com

The Larson Electronics DCP-50A-125VDC-DP-WP AC to DC Rectifier provides accurate voltage control and power management features for industrial operations. This unit is compatible with three-phase 120V AC @ 60 Hz input and provides 125V DC output. Equipped with protective functions, the device features remote sensing and surface mount feet at the bottom of the enclosure.

The DCP-50A-125VDC-DP-WP is a compact AC to DC rectifier for industrial facilities. The universal input voltage unit accepts 120V AC @ 60 Hz power and offers 125V DC output. The device operates at 80% efficiency. Protective features include overload, overvoltage, 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.

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Frequently Asked Questions (FAQ)

There are no Fags



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- **HigResPic1**(<https://www.larsonelectronics.com/images/product/HigResPic1/326339.JPG>)
- **Video1**(<https://www.youtube.com/watch?v=1ZUP0hZxQIk>)
- **ISO 9001 Certification**(<http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF>)
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