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DCP-48A-125VDC-DP-WP-RM

6 KW 1-Ph AC to DC Rectifier - 120V AC Input, 125V DC Output - 60 Hz - Rack Mount

Product ID: 340013

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



Image: DCP-48A-125VDC-DP-WP-RM

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-48A-120VDC-DP-WP-RM 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 1Ph (±5%), 60 Hz
Output Voltage: 125V DC Nominal
Output Current: 48 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: Rack Mount
Wiring: Terminals

Special Orders - Special Requirements
Contact us for special requirements
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The Larson Electronics DCP-48A-125VDC-DP-WP-RM AC to DC Rectifier provides accurate voltage control and power management features for industrial operations. This unit is compatible with single-phase 120V AC @ 60 Hz input and provides 125V DC output. Equipped with protective functions, the device features remote sensing and a 19-inch rack-mount enclosure for installation in standard equipment racks.

The DCP-48A-125VDC-DP-WP-RM 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 housed in a 19-inch rack-mount enclosure and is designed for installation in standard equipment racks, making it ideal for telecommunications, control rooms, industrial automation, and electrical equipment cabinets.

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

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Links (Click on the below items to view):

- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/340013.JPG)
- **Video1**(https://www.youtube.com/watch?v=1ZUP0hZxQIk)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
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