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IND-DCP-FC-115V-1KW-28V-N3R

1000W Single Output AC/DC Power Supply - 115V AC Input to Single 28V DC, 36 A Output - NEMA 3R

Product ID: 309141

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



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.

IND-DCP-FC-115V-1KW-28V-N3R Single Output Power Supply

Unit Type: AC/DC Power Supply (Enclosed)
Dimensions: 8.25"-L x 4.75"-W x 2.625"-H
Weight: 37.4 oz
Input Voltage: 115 V AC
Input Voltage Range: 103-127 V AC
Frequency: 50/60/400 Hz
Output Voltage: 28 V DC
Output Voltage Range: 5-50 V DC (Programmable)
Output Current Rating: 42A
Output Power Rating: 1,000W
Power Factor: 85%-90% at 75-100% load
Line/Load Regulation: Less than 1% (Low line to high line, no load to full load, -55°C to +85°C)
Efficiency: 90%
Leakage Current: N/A
Ripple/Noise: 100-150mVp-p, Typical (max. 1%) without external capacitance
Protection: Overload (110-130% Rated Output Power), Over Voltage, Over Temperature (Shutdown if baseplate temperature rises above +105^{O}C ± 5^{O}C), Short Circuit
Input Connector: M24308/24-38F (15-Pins)
Output Connector: M24308/23-39F (25-Pins)
Aux Power: N/A

Ratings

Built-in DC Fan
Remote Sense
Meets MIL-STD-704
Meets MIL-STD-810
Meets MIL-STD-461

Alarm Signal Output: Power Ok Signal
Altitude: 40,000 ft. to 70,000 ft
Humidity: Up to 95%.
Operating Temp: -55°C to +85°C
Materials: Metal
Mount: Surface/Chassis Mount

Special Orders - Special Requirements
Contact us for special requirements

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The IND-DCP-FC-115V-1KW-28V-N3R from Larson Electronics is a Single Output AC/DC Power Supply that provides accurate voltage control and power management features for industrial operations. This 42-amp unit is compatible with 115V AC and provides a programmable output voltage range of 5-50 V DC. Equipped with protective functions, the device features remote sensing and remote control (on/off) capabilities. A built-in DC fan keeps the power supply cool during use.

The IND-DCP-FC-115V-1KW-28V-N3R is a compact AC/DC power supply for industrial facilities. The single output unit accepts input voltage ranges of 103-127 V AC and offers a programmable output voltage range of 5-50 V DC. This 42-amp device is rated at 1,000W. Protective features include overload, over voltage, over temperature, and short circuit.

This enclosed unit is constructed of metal and features a built-in DC fan for active cooling. Operators can mount the device on chassis or surfaces.

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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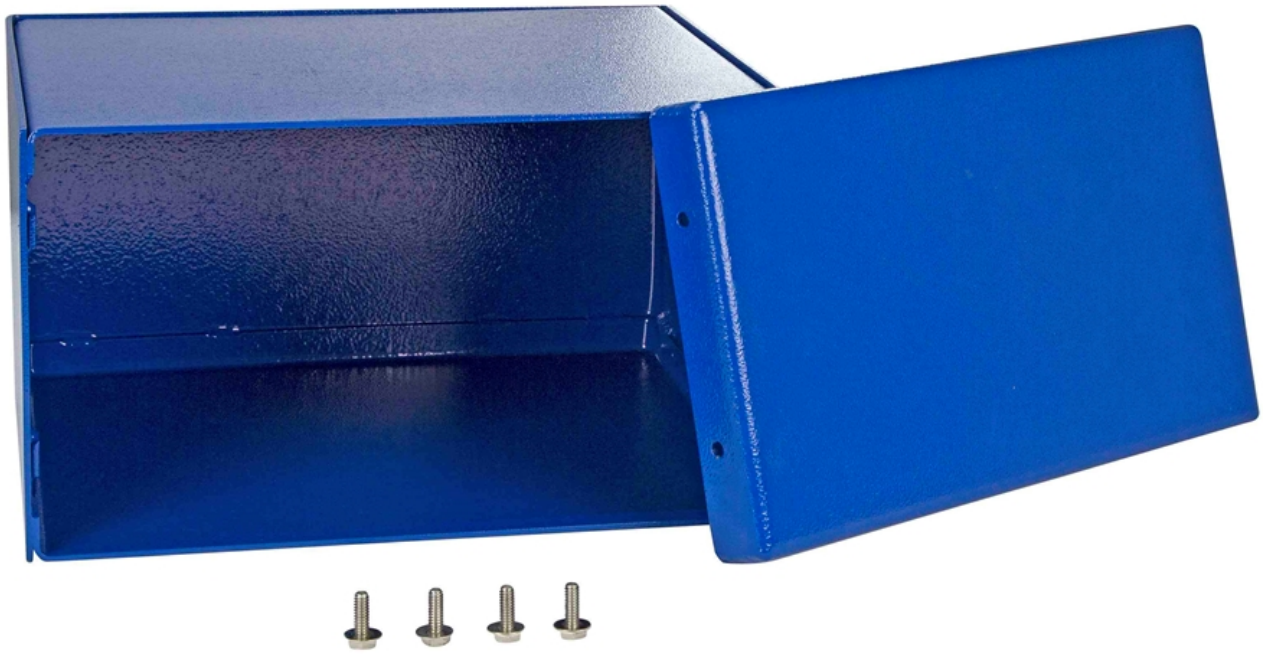
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Frequently Asked Questions (FAQ)









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