

IND-DCP-ADC-LP-230M-110V

AC to High Voltage DC Power Converter - 90-265V AC Input, 110V DC Output - 1.6A Capacity

Product ID: 281494

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-ADC-LP-230M-110V Power Supply

Unit Type: AC to DC Power Supply (Enclosed)

Dimensions: 9.38" x 3.45" x 1.68"

Weight: 2.5 lbs

Input Voltage: Single Phase 90-265V AC, 49-420 Hz

Output Voltage: 110V DC

Capacity: 1.6A

Inrush Current: Cold Start, (Thermistor Limiter) 20A Peak @115V AC; 40A Peak @ 230V AC

Startup Time: 800 mS

Input Undervoltage: No Damage for Input Less Than 90V AC

Power Factor: 0.99 @ 115V AC, 60Hz and Full Load

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: 16mS minimum

Transient Response: 300 μ S to Return to $\pm 1\%$ of Output Setting. Maximum of $\pm 3\%$ 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: 80%

Ratings

Forced Air Cooling

Remote Sense

Power Factor Correction

Universal Input

Ripple/Noise: 450 RMS, 80 P-P @ 25MHz BW

Switching Frequency: 100 kHz

Cooling: Forced Air

Operating Temp: 0C to +71C

Materials: Metal

Mount: -

Wiring: Terminals

Special Orders - Special Requirements

Contact us for special requirements

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The Larson Electronics IND-DCP-ADC-LP-230M-110V AC to High Voltage Power Converter provides accurate voltage control and power management features for industrial operations. This unit is compatible with single-phase 90-265V AC @ 47-63 Hz input and provides 110V DC output. Equipped with protective functions, the device features remote sensing and has a green indicator light which activates in DC on mode.

The IND-DCP-ADC-LP-230M-110V is a compact AC to DC power supply for industrial facilities. The universal input voltage unit accepts 90-265V AC @ 47-63 Hz power and offers 110V DC output. With a capacity of 1.6 amps, the device offers power factor correction, high surge current features and soft start operation. A green LED light serves as an indicator light in DC on mode. Protective features include overload, over voltage, output inhibit and thermal protection. Capable of reaching 80% efficiency, the power converter has EMI shielding and complies with FCC Part 15 and EN55022, Class A.

This enclosed unit is constructed of metal and features forced air cooling.

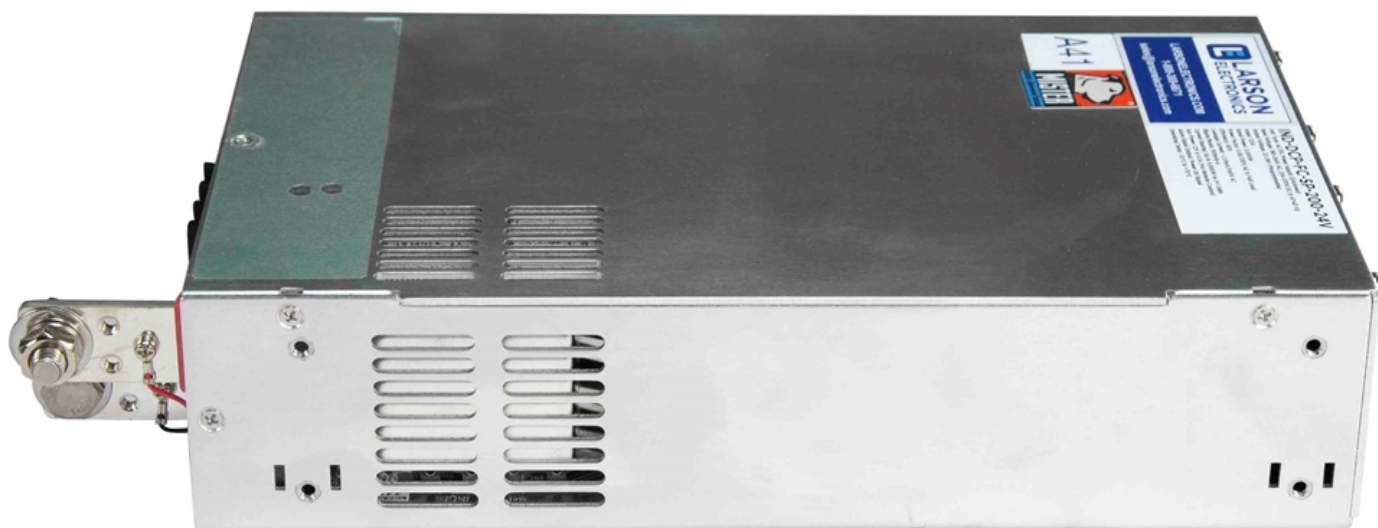
Operators can access terminals for power connections.

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.

Frequently Asked Questions (FAQ)









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Export Control Classification Number (ECCN): EAR99

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