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MT-PSU-ADC-R7-3P-480Y.277-11.2KW-28VDC-N3R-M2

11.2 KW AC to DC Power Supply, 480Y/277V AC Input to 28V DC Output, 60HZ, NEMA 3R

Product ID: 324131

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



Image: MT-PSU-ADC-R7-3P-480Y.277-11.2KW-28VDC-N3R-M2

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.

MT-PSU-ADC-R7-3P-480Y.277-11.2KW-28VDC-N3R-M2 AC to DC Power Supply

Unit Type: AC/DC Power Supply
Phase: Three Phase
Dimensions: 50" (1270mm) H x 36" (914mm) W x 18" (457mm) D (Includes 18" Floor stand)
Rack Design (std.): 19 inch
Weight: TBD
Input Voltage: 480Y/277V AC
Input Connection: 3 Pole Circuit Breaker
Rated Input Frequency: 60Hz
Output Voltage: 28VDC (two wire configuration)
Rated Output Power: 11.2 KW
Rated Output Current: 400A Continuous, 1600A Surge (400% / 6 Seconds)
Output Connection: Two (2) Pole Terminal Block
Efficiency: ≥ 80%
Ripple And Noise: ≤ 2% of nominal output (peak-to-peak, 20 MHz bandwidth)
Protection: Short Circuit Protection (with automatic recovery)
Input Protection: Internal fuse, In-rush current limiting, Transient protection
Over Temperature Protection: Output shut down if maximum case temperature limit is exceeded
Front Panel Controls (Standard): Supply On (Start), Supply Off (Stop/Reset), Output On,

Output Off

Front Panel Status Indicators (Standard): DC Volt Ready, Output On, Summary Fault

Digital Display: Voltage and Current readings available via standard digital display, along with menu interface

Included Standard Features: Start up and Shutdown Instructions on front door, 50/60Hz step-down transformer, SCR Section, DC filter choke and capacitors, Current monitor/measurement via Hall effect sensor

Humidity: Up to 95% non-condensing

Acceleration: Method 513.5, Procedure I & II

Remote Error Sensing: Standard

Storage Temperature Range: -50°C to +85°C

Operating Temperature Range: -40°C to +70°C

Enclosure Environmental Rating: NEMA 3R

Materials: Steel

Mount: Floor-standing unit, designed for use on flat surfaces with four-bolt mounting

Color:

Special Orders - Special Requirements

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The MT-PSU-ADC-R7-3P-480Y.277-11.2KW-28VDC-IP65-M1 from Larson Electronics is a three-phase AC/DC Power Supply designed for reliable voltage control and power management in industrial operations. This solid-state unit operates on 480V AC, 3-Phase, 60 Hz input and provides a 28V DC output at 11.2 kW. The power supply delivers 400 amps continuous (1600A surge for 6 seconds) with high efficiency and low ripple/noise. Equipped with protective functions, the system ensures safe operation in demanding environments.

The MT-PSU-ADC-R7-3P-480Y.277-11.2KW-28VDC-IP65-M1 is housed in a steel, NEMA 3R equivalent enclosure with overall dimensions of 50" H × 36" W × 18" D, including an integrated 18" floor stand. This floor-standing unit is designed for use on flat surfaces with four-bolt mounting. Operators are provided with front panel controls for Supply On/Off, Output On/Off, and Reset, as well as digital voltage/current displays and status indicators.

Mounting: The MT-PSU-ADC-R7-3P-480Y.277-11.2KW-28VDC-IP65-M1 is suitable for floor-standing installation on flat surfaces with four-bolt mounting.

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

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