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MT-PSU-ADC-R7-3P-200VAC-10KW-20VDC-IP65-M1

10 KW AC to DC Power Supply, 200V AC 3-Ph Input to 20V DC Output, 47-440HZ, IP65

Product ID: 310307



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-200VAC-10KW-20VDC-IP65-M1 AC to DC Power Supply

Unit Type: AC/DC Power Supply
Phase: Three Phase
Dimensions: 15.75" W x 19" L x 7" H
Rack Design (std.): 19 inch
Weight: TBD
Input Voltage: 200V AC
Input Current: 80 A
Rated Input Frequency: 47-440Hz
Output Voltage: 20V DC (± 1%)
Output Current: 500 A
Rated Output Power: 10 KW
Efficiency: Min. 80.00%
Down Program Response Time At Full Load: < 100ms
Ripple And Noise: Peak-to-peak combined ripple and noise does not exceed 2% of nominal output measured with a 20 MHz bandwidth
Electromagnetic Compatibility: MIL-STD-461 requirements: CE101, CE102. FCC 20780 class A
Protection Degree: IP65
Isolation: Input to output: 1500 VDC, Input to case:1500 VDC, Output to case: 500 VDC
Circuit Protection: Completely protected against a short circuit of any duration. The current is nominally set at 120% of full load. The output voltage automatically restores to normal when the short is removed
Input Protection: Internal fuse, In-rush current limiting, Transient protection
Input Connection: TBD
Output Connection: TBD

Ratings/Features

Program And Software Controllable
Compatible With LabView
Arbitrary Waveform Generation
NTRL Listed

Over Temperature Protection: Output shut down if maximum case temperature limit is exceeded

Reliability: MTBF 109,000 hours at 25C ambient calculated per MIL-HDBK-217 in naval sheltered environment

Shock: Method 516.6, Procedure IV, MIL-S-901 requirements (Light weight)

Vibration: Method 514.5, MIL-STD-167, type 1 requirements

Humidity: Method 507 (Power supply operates without any evidence of degraded performance in non-condensing relative humidity up to 95%

Altitude: Method 500.4, Procedure I & II

High Temperature: Method 501.4, Procedure I & II

Low Temperature: Method 502.4, Procedure I

Sand and Dust: Method 510.4, Procedure I & II

Explosive Atmosphere: Method 511.4, Procedure

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

Materials: Gold Alodine

Mount: 19" Rack Mount

Color: Gold

Special Orders - Special Requirements

Contact us for special requirements

Intl: 1-903-270-1187

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The MT-PSU-ADC-R7-3P-200VAC-10KW-20VDC-IP65-M1 from Larson Electronics is a single phase AC/DC Power Supply that provides accurate voltage control and power management features for industrial operations. This AC/DC Power Supply unit is compatible with 200V AC @ 47-440Hz input voltage and provides 20V DC output voltage. Equipped with protective functions. This power supply is compatible with rack mounting installations or can be used as a standalone unit.

The MT-PSU-ADC-R7-3P-200VAC-10KW-20VDC-IP65-M1 is a compact AC/DC power supply accepts an input voltage range of 200V AC +/-1% @ 47-440Hz and offers an output voltage of 20V DC. This MT-PSU-ADC-R7-3P-200VAC-10KW-20VDC-IP65-M1 device is rated at 10 KW, Featuring full Power Factor Correction in a rugged, compact chassis. The MT-PSU-ADC-R7-3P-200VAC-10KW-20VDC-IP65-M1 designed to meet MIL-S-901 High Impact Shock, MIL-STD-810 Environmental Requirements, MIL-STD-1399 Input Requirements, MIL-STD-461 CE101, CE102 EMI Requirements.

Mounting: The MT-PSU-ADC-R7-3P-200VAC-10KW-20VDC-IP65-M1 is suitable for standalone use on flat surfaces with four bolts.

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)