Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

MT-PSU-ADC-R7-1P-120VAC-1.2KW-12VDC-Z-M1

1.2 KW AC to DC Power Supply, 120V AC Input to 12V DC Output, 47-63HZ

Product ID: 331649

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.

MT-PSU-ADC-R7-1P-120VAC-1.2KW-12VDC-Z-M1 AC to DC Power Supply
Unit Type: AC/DC Power Supply

Output:
DC Voltage: 12V
Rated Current: 100A
Current Range: 0 ~ 100A
Rated Power: 1200W
Ripple and Noise (max.): 150mVp-p
Voltage adjustment Range: 21.6 ~ 26.4V
Voltage Tolerance: ±1.0%
Line Regulation: ±0.5%
Load Regulation: ±0.5%
Setup, Rise Time: 1000ms, 30ms at full load
Hold Up Time (Typical): 20ms at full load

Input:
Voltage Range: 88 ~ 132VAC/176 ~ 264VAC (selected by jumper or switch)
Frequency Range: 47 ~ 63Hz
Efficiency (Typical): 83%
AC Current (Typical): 3.15A/115VAC, 1.5A/230VAC
Inrush Current (Typical): Cold Start 20A/115VAC, 40A/230VAC
Leakage Current: <1mA / 240VAC

Protection:
Overload: 105 ~ 150% rated output power (Protection type : Hiccup mode, recovers automatically after fault condition is removed)
Over Voltage: 27.6 ~ 32.4V (Protection type : Hiccup mode, recovers automatically after fault condition is removed)

Environment:
Working Temperature: -10 ~ +60ºC
Working Humidity: 20 ~ 90% RH non-condensing
Storage Temperature, Humidity: -20 ~ +85ºC , 10 ~ 95% RH
Temperature Coefficient: ±0.03%/ºC (0 ~ 50ºC)

Ratings:
CSA60950-1 (for 24V only) Approved
CCC GB4943 Approved
UL1012 Approved
UL60950-1 Approved
TUV EN60950-1 Approved
Compliance to EN61000-4-2,3,4,5,6,8,11
Compliance to EN55024

Features:
AC input range selectable by switch
Protections: Short circuit / Overload / Over voltage
Cooling by free air convection
100% full load burn-in test
Fixed switching frequency at 83KHz
2 years warranty

Special Orders - Special Requirements:

Contact us for special requirements
Intl: 1-903-270-1187
Toll Free: 1-800-369-6671

Vibration: 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes
Dimensions: 18.9"-W, 26.6"-L, 5.2"-H

Fax: 1-903-765-7664
E-mail: sales@larsonelectronics.com

The MT-PSU-ADC-R7-1P-120VAC-1.2KW-12VDC-Z-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 120V AC @ 47-63Hz input voltage and provides 12V 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-R7-1P-120VAC-1.2KW-12VDC-Z-M1 is a compact AC/DC power supply accepts an input voltage range of 120V AC +/-1% @ 47-63Hz and offers an output voltage of 12V DC. This MT-PSU-ADC-R7-1P-120VAC-1.2KW-12VDC-Z-M1 device is rated at 1.2kW. The MT-PSU-ADC-R7-1P-120VAC-1.2KW-12VDC-Z-M1 designed to meet CSA60950-1 (for 24V only), UL1012, UL60950-1, TUV EN60950-1, and CCC GB4943.

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.

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

Frequently Asked Questions (FAQ)

There are no Faqs

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/331649.JPG)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map**(https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)