

MT-LAVR-1P-80.270V-5KVA-230V-N3R

5 KVA Automatic Voltage Stabilizer - 80–270V 1PH Input to 230V 1PH Output - 50/60Hz - IP54

Product ID: 335508

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



Image: MT-LAVR-1P-80.270V-5KVA-230V-N3R

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-LAVR-1P-80.270V-5KVA-230V-N3R Industrial Single-phase Automatic Voltage Stabilizer

Unit Type: Automatic Voltage Stabilizer

Dimensions: 19.49"-W x 23.23"-D- x 50.39"-H

Product Weight: 304.24 lbs

Gross Weight: 326.28 lbs

Structural Design: Single-phase disc type with three sets of internal discs

Phase: Single Phase

Input Voltage: 80V-270V AC

Input Voltage Variation: $\pm 15\%$

Input Frequency: 50/60 Hz $\pm 5\%$

Capacity: 5 KVA

Output Voltage: 230V AC

Output Voltage Variation: $\pm 1\%$

Output Frequency: 50/60 Hz

Voltage Regulation: $\pm 3\%$ (generally lower)

Rated Current: 21.7 A

Features/Ratings

IP54

Operating Conditions:

1. The installation site should be free of gases, vapors, chemical dust and dirt that seriously affect the insulation of the voltage stabilizer. And its explosive and corrosive gases
2. The installation site should be free of severe vibration and jolt
3. If the conditions do not comply with the above regulations, they should be determined through negotiation with our company

Maximum in Current @ Minimum Voltage: 67 A
Overload Capacity: 10 times the rated current for 10 ms, 5 times for 6 s, 2 times for 1 min, 1,1 times for 1 hour
Adjustment Time: < 1S (When the input voltage changes by 10%)
Response Time: ≤ 1S (Within 10% voltage variation) [Slightly Fast]
Efficiency: ≥ 98%
Correction Speed: 15 ms/V
Admitted Load Variation: 0-100%
Admitted Load Unbalance: Up to 100%
Insulation Resistance: ≥ 5MΩ
Waveform Distortion: < 0,1%
Working Mode: Work continuously for a long time without being attended
Electrical Strength: Withstand voltage 2000VAC for 1 minute continuously without flashing and breakdown
Load Adaptability: Applicable for smaller loads, lower voltage stability requirements; small factories, commercial stores, households
Display: N/A
Voltmeter: Included
Pilot Lamp: Included
Overtemperature Alarm Signal: Included
Cooling Method: Fan Cooled
Ambient Temperature: -10°C ~ +40°C
Storage Ambient Temperature: -20°C ~ +60°C
Altitude: 1000 ASL
Temperature Rise: < 60°C
Protection Degree: IP54 (Open Doors:IP2X)
Relative Humidity: 95% (non-condensing)
Fittings: Multimeter with output voltage reading; Input and output connecting bars; Input pilot lamps; Control board tropicalization
Mounting: Floor
Color: Grey

Special Orders - Special Requirements

Contact us for special requirements

Intl: 1-903-270-1187

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E-mail: sales@larsonelectronics.com

The Larson Electronics MT-LAVR-1P-80.270V-5KVA-230V-N3R Industrial Automatic Voltage Stabilizer is designed for industrial and commercial locations where wide voltage fluctuations are present. This 5 kVA single-phase power device features an input voltage range of 80–270V AC and delivers a stable 230V AC output, operating at 50/60 Hz.

This stabilizer corrects voltage fluctuations in single-phase power systems with an adjustment time of <1 second. It includes built-in overload, short circuit, and over-temperature protection for safe operation. An LCD display at the front of the unit provides real-time status updates, including input/output voltage, fault indications, and delay time. The vented enclosure allows for active cooling during extended use.

Mounting: The MT-LAVR-1P-80.270V-5KVA-230V-N3R is secured inside an IP54 enclosure case for protection against dust and moisture.

Applications: Industrial facilities, laboratories, air compressor testing, power supply testing, motor equipment testing, quality assurance, lighting 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)

There are no Fags



Image: MT-LAVR-1P-80.270V-5KVA-230V-N3R



Export Control Classification Number (ECCN): EAR99

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