Larson Electronics LLC
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www.LarsonElectronics.com
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Fax: 903.498.3364

Product ID: 266755

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



Image:

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-SFC-1P-1KVA-110V.US-60HZ-220V.EU-50HZ Frequency Converter

Unit Type: Solid-state Static Frequency Converter
Dimensions: 16.92" x 18.11" x 7.08"
Weight: 99.2 lbs
Input Voltage: 110V 1PH +/- 5%
Input Frequency: 60 Hz +/- 5%
Input Connection: L1 + L2 (USA Spec)
Capacity: 1 KVA - 100% Load - 30 Mins
Output Voltage: 220V 1PH +/- 2%
Output Frequency: 50 Hz +/- 5%
Output Amps: 4.2A @ 110V Setting 0-300V (High Grade); 8.4A @ 120V Setting 0-150V (Low Grade)
Output Connection: L1 + N (EU Spec)
Rectification: IGBT
Efficiency Ratio: Up to 95%
Load Stabilization Rate: < +/- 1%
Frequency Stability: < +/- 0.01%
Harmonic Distortion: Pure Sine Wave < 2%
4-digit Meters: Digital Frequency Meter- Resolution 0.1Hz/Step; Digital Voltage Meter- Resolution 0.1V; Digital Ammeter- Resolution 0.1A; Digital Watt Meter- Resolution 0.1W
Protection: Overload, Short Circuit, Over Temp, Instant Power Failure Protection, Alarm
Operating Temp: 0-40C
Humidity: 0-90% (Non-condensation)

Features/Ratings

NRTL Listed to UL 508A
Advance Microprocessor Control
True Online Double Conversion
Smart Fan Control
Low Input THDi < 3%

Special Orders - Special Requirements

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

Mounting: Standalone w/ Front Handles
Color: Tan

1-800-369-6671
Fax: 1-903-765-7664
E-mail: sales@larsonelectronics.com

The Larson Electronics IND-SFC-1P-1KVA-110V.US-60HZ-220V.EU-50HZ Solid-state Frequency Converter is designed for voltage and frequency rectification in industrial locations. The 1 KVA static converter comes with an input voltage/frequency of 110V single-phase 60 Hz and an output voltage/frequency of 220V single-phase 50 Hz. This unit is equipped with front handles and circular pads at the bottom of the converter.

The IND-SFC-1P-1KVA-110V.US-60HZ-220V.EU-50HZ can be used to accurately convert voltages and frequencies in industrial sites. This 1 KVA unit offers 110V single-phase 60 Hz on the input side and 220V single-phase 50 Hz on the output side. Output amps is 4.2A @ 110V setting 0-300V (high grade) and 8.4A @ 120V setting 0-150V (low grade). During operation, rectification is completed via IGBT. The static frequency converter provides robust microprocessor control, true online double conversion and active input power factor correction. Input connection contains L1+L2 (USA spec), while output connection contains L1+N (EU spec).

This solid-state frequency converter is equipped with several protective features, including overload, short circuit, over temp, instant power failure connection and alarm. Available meter components include digital frequency meter, digital voltage meter, digital ammeter and digital watt meter.

Mounting: The IND-SFC-1P-1KVA-110V.US-60HZ-220V.EU-50HZ is a standalone unit with front handles and bottom-located pads.

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.

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Frequently Asked Questions (FAQ)

There are no Faqs

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Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **Operations Manual**(https://www.larsonelectronics.com//images/product/Manual/266755.PDF)
- **HigResPic1**(https://www.larsonelectronics.com//images/product/HigResPic1/266755.JPG)
- **Video1**(https://www.youtube.com/watch?v=jVnTdFuOqt0)
- **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)