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

www.LarsonElectronics.com
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Product ID: 325084

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-230-50HZ-120-60HZ Frequency Converter

Unit Type: Solid-state Static Frequency Converter
Dimensions: 14" x 21.2" x 27"
Weight: 132.27 lbs
Input Voltage: 230V 1PH +/- 5%
Input Frequency: 50 Hz +/- 5%
Capacity: 1 KVA - 100% Load - 30 Mins
Output Voltage: 120V 1PH +/- 2%
Output Frequency: 60 Hz +/- 5%
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)
Mounting: Mobile Cart w/ Wheels
Color: Tan

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

The Larson Electronics IND-SFC-1P-1KVA-230-50HZ-120-60HZ 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 230V single-phase 50 Hz and an output voltage/frequency of 120V single-phase 60 Hz. This unit is mobile via four wheels at the bottom of the enclosure.

The IND-SFC-1P-1KVA-230-50HZ-120-60HZ can be used to accurately convert voltages and frequencies in industrial sites. This 1 KVA unit offers 230V single-phase 50 Hz on the input side and 120V single-phase 60 Hz on the output side. 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.

This solid-state frequency converter is equipped with several protective features, including overload, short circuit, over temp, instant power failure connection and alarm. For efficient operation, the unit features smart fan control and ultra high efficiency (98% in Smart Eco Mode). Operators are provided access to a panel, which houses various controls for meters. Available meter components include digital frequency meter, digital voltage meter, digital ammeter and digital watt meter.

Mounting: The IND-SFC-1P-1KVA-230-50HZ-120-60HZ is secured inside a mobile enclosure with wheels for seamless mobility around the work site.

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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Product ID: 325084

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **Operations Manual**(https://www.larsonelectronics.com//images/product/Manual/325084.PDF)
- **HigResPic1**(https://www.larsonelectronics.com//images/product/HigResPic1/325084.JPG)
- **HigResPic2**(https://www.larsonelectronics.com//images/product/HigResPic2/325084.JPG)
- **HigResPic3**(https://www.larsonelectronics.com//images/product/HigResPic3/325084.JPG)
- **HigResPic4**(https://www.larsonelectronics.com//images/product/HigResPic4/325084.JPG)
- **HigResPic5**(https://www.larsonelectronics.com//images/product/HigResPic5/325084.JPG)
- **HigResPic6**(https://www.larsonelectronics.com//images/product/HigResPic6/325084.JPG)
- **HigResPic7**(https://www.larsonelectronics.com//images/product/HigResPic7/325084.JPG)
- **HigResPic8**(https://www.larsonelectronics.com//images/product/HigResPic8/325084.JPG)
- **HigResPic9**(https://www.larsonelectronics.com//images/product/HigResPic9/325084.JPG)
- **Video1**(https://www.youtube.com/watch?v=jVnTdFuOqt0)
- **Video2**(https://www.youtube.com/watch?v=nmrVQAszcQw)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
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