

## IND-SFC-1P-1KVA-220V-50HZ-220V-60HZ

**1 KVA Solid-state Frequency Converter - 220V 50Hz Input to 220V 60Hz Output - 1PH - Front Handles**

**Product ID: 344728**



Image: IND-SFC-1P-1KVA-220V-50HZ-220V-60HZ

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-220V-50HZ-220V-60HZ Frequency Converter

**Unit Type:** Solid-state Static Frequency Converter

**Dimensions:** 16.92" x 18.11" x 7.08"

**Weight:** 99.2 lb

**Input Voltage:** 220 VAC, 1PH  $\pm 5\%$

**Input Frequency:** 50 Hz  $\pm 5\%$

**Input Connection:** L1 + N (EU Spec)

**Capacity:** 1 KVA - 100% Load - 30 Mins

**Output Voltage:** 220 VAC, 1PH  $\pm 2\%$

**Output Frequency:** 60 Hz  $\pm 5\%$

**Output Amps:** 4.55A @ 220V

**Output Connection:** L1 + N

**Rectification:** IGBT

**Efficiency Ratio:** Up to 95%

**Load Stabilization Rate:**  $< \pm 1\%$

**Frequency Stability:**  $< \pm 0.01\%$

**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° - 40°C

### 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:



**Humidity:** 0-90% (Non-condensation)  
**Mounting:** Standalone w/ Front Handles  
**Color:** Tan

1-903-270-1187  
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**The Larson Electronics IND-SFC-1P-1KVA-220V-50HZ-220V-60HZ Solid-state Frequency Converter is designed to provide reliable frequency conversion for industrial and commercial electrical applications. This 1 KVA static frequency converter accepts 220 VAC single-phase, 50 Hz input power and provides regulated 220 VAC single-phase, 60 Hz output power. The unit is equipped with front handles and circular pads at the bottom for standalone installation.**

The IND-SFC-1P-1KVA-220V-50HZ-220V-60HZ can be used to accurately convert incoming 50 Hz power to 60 Hz power while maintaining a stable 220 VAC output. This 1 KVA unit provides 220 VAC single-phase, 50 Hz on the input side and 220 VAC single-phase, 60 Hz on the output side. The output current is 4.55A at 220V. During operation, rectification is completed via IGBT technology. The static frequency converter features advanced microprocessor control, true online double conversion, smart fan control, low input THDi of less than 3%, and an efficiency of up to 95%. The input connection is L1 + N, while the output connection is L1 + N.

This solid-state frequency converter is equipped with several protective features, including overload, short circuit, over-temperature, instant power failure protection, and alarm functions. Integrated digital meters provide monitoring of output frequency, voltage, current, and power. The converter provides a pure sine wave output with harmonic distortion of less than 2%, load stabilization of less than  $\pm 1\%$ , and frequency stability of less than  $\pm 0.01\%$ .

**Mounting:** The IND-SFC-1P-1KVA-220V-50HZ-220V-60HZ 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](mailto: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