

Frequency Converter

Convert to any
Frequency



Series FCSS Single Phase

The FCSS Series is a highly compact AC/AC frequency converter. Suitable for a wide range of applications, the FCSS features full electronic protection, high efficiency and low output noise. Well established design techniques are used to ensure high reliability. The converter is cooled by a built-in fan. Extended operating temperature (-40 to +65°C) is available.

Series FCVS Variable AC Power

The FCVS Series is a variable AC power source designed to deliver power at a selectable frequency between 47Hz to 410Hz. The unit uses PWM technology and generates a pure sine-wave output with typical distortion of less than 5%. The output voltage is continuously adjustable from 0 to full scale. The FCVS Series AC power source can be used as a compact AC/AC frequency converter, suitable for a wide range of applications. It features full electronic protection, high efficiency and low output noise. The unit is fan cooled.

Series FCST Single to 3-Phase

The FCST Series AC/AC frequency converter provides 3-phase power from a single-phase line outlet. The standard unit delivers 3-phase outputs of 208rms, 380Vrms or 415Vrms (PH-PH) continuous at 50, 60, or 400Hz. The floating outputs are isolated from each other and can be connected in a 'Y' configuration or left as three individual outputs. In 'Y' configuration, the centre point (neutral) can be grounded. The FCST can be shut down electronically by a control switch on the front-panel of the unit. A remote shut-down option is also available. The unit features full electronic protection, high efficiency and low input and output noise.

Series FCTT 3-Phase to 3-Phase

The FCTT Series AC/AC frequency converter provides 3-phase power from a 3-phase line outlet. The standard unit delivers 3-phase outputs of 208rms, 380Vrms or 415Vrms (PH-PH) continuous at 50, 60, or 400Hz. The floating outputs are isolated from each other and can be connected in a 'Y' configuration or left as three individual outputs. In 'Y' configuration, the centre point (neutral) can be grounded. The FCTT can be shut down electronically via a control switch on the front-panel of the unit. Remote shut-down and output voltage adjustment options are available. The unit features full electronic protection, high efficiency and low input and output noise.

Benefits

- Ultra-Quiet
- Power sensitive electronics without interference
- Rugged & Reliable
- Ensure years of safe and trouble free operation

Features

- Input is filtered to EN 55022 Class B
- Compact size, light weight
- Sinusoidal wave shape
- Output power up to 12'000 Watts
- Full electronic protection
- High reliability
- Telecom quality
- Field-proven design topology

Features Series FCVS only

- Variable output voltage & frequency
- Compact size, light weight
- Sinusoidal wave shape
- Digital meters for Vrms & frequency
- Isolated, floating output

Models

MODEL	POWER	AC INPUT	AC OUTPUT
AC/AC Frequency Converter Single Phase			
FCSS250	250VA	115/230VAC 48...410Hz	115/230VAC 50 or 60 or 400Hz
FCSS500	500VA	115/230VAC 48...410Hz	115/230VAC 50 or 60 or 400Hz
FCSS1000	1000VA	115/230VAC 48...410Hz	115/230VAC 50 or 60 or 400Hz
FCSS1500	1500VA	115/230VAC 48...410Hz	115/230VAC 50 or 60 or 400Hz
FCSS2000R	2000VA	115/230VAC 48...410Hz	115/230VAC 50 or 60 or 400Hz
FCSS2500R	2500VA	115/230VAC 48...410Hz	115/230VAC 50 or 60 or 400Hz
FCSS3000R	3000VA	115/230VAC 48...410Hz	115/230VAC 50 or 60 or 400Hz
FCSS4000R	4000VA	115/230VAC 48...410Hz	115/230VAC 50 or 60 or 400Hz
FCSS5000R	5000VA	115/230VAC 48...410Hz	115/230VAC 50 or 60 or 400Hz
AC/AC Frequency Converter Single Phase Variable AC Output			
FCVS501	500VA	115/230VAC 47...410Hz	0...260VAC 47...424Hz
FCVS1000R	1000VA	115/230VAC 47...410Hz	0...130VAC / 0...250VAC 47...440Hz
FCVS2000R	2000VA	115/230VAC 47...410Hz	0...130VAC / 0...250VAC 47...440Hz
AC/AC Frequency Converter Single to 3-Phase			
FCST1500R	1500VA	115/230VAC 50...400Hz	208/380/415VAC 50 or 60 or 400Hz
FCST3000R	3000VA	115/230VAC 50...400Hz	208/380/415VAC 50 or 60 or 400Hz
FCST6000R	6000VA	115/230VAC 50...400Hz	208/380/415VAC 50 or 60 or 400Hz
AC/AC Frequency Converter 3-Phase to 3-Phase			
FCTT1500R	1500VA	208/380/415VAC 48...410Hz	208/380/415VAC 50 or 60 or 400Hz
FCTT3000R	3000VA	208/380/415VAC 48...410Hz	208/380/415VAC 50 or 60 or 400Hz
FCTT6000R	6000VA	208/380/415VAC 48...410Hz	208/380/415VAC 50 or 60 or 400Hz
FCTT12000R	12000VA	208/380/415VAC 48...410Hz	208/380/415VAC 50 or 60 or 400Hz

Applications

- Test Facilities
- Marine / Automotive / RV
- Electric Utilities and Substations
- Telecom Power Plants
- Manufacturing Locations
- Steel Mills
- Military Applications (COTS)
- Industrial Controls
- OEM Applications
- Solar / Alternative Power Systems
- Fuel Cells

Options

- Input voltage: custom
- Inverter Fail Alarm, Form C contact
- 19" rackmount for all models
- Wide temperature (-40° C operation)
- Ruggedization Package (against shock and vibration)
- Conformal coating (dusty, humid, salty conditions)

Available from:

RIPEnergy[®]

The power conversion company

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