

AC/AC FREQUENCY CONVERTERS

AC/AC Frequency Converters, Single Phase

Analytic Systems' Single and 3-Phase Sine-Wave Inverters are designed for telecommunications, industrial, commercial, mobile and military applications. They deliver output power ranging from 250 VA to 5000 VA and generate nominal output voltages of 115 VAC or 220 VAC, at frequencies of 50, 60 or 400Hz. A broad range of input voltages are available. See Table 1 for available models.

3-Phase to 3-Phase (FTT Series) and Single-Phase to 3-Phase (FTP Series) frequency converters are available in 1500, 3000 and 6000VA (see website).

Generic Model	Input Voltages	Power (VA)	Voltage (Volts)	Current (Amps)
FCA250	115/230, 47...410Hz	250	115/230VAC 50, 60, 400Hz	2.2 / 1.1
FCA500	115/230, 47...410Hz	500	115/230VAC 50, 60, 400Hz	4.4 / 2.17
FCA1000	115/230, 47...410Hz	1000	115/230VAC 50, 60, 400Hz	8.7 / 4.34
FCA1500	115/230, 47...410Hz	1500	115/230VAC 50, 60, 400Hz	13
FCA2000	115/230, 47...410Hz	2000	115/230VAC 50, 60, 400Hz	17.4
FCA2500R	115/230, 47...410Hz	2500	115/230VAC 50, 60, 400Hz	21.7 / 10.9
FCA5000R	115/230, 47...410Hz	5000	115/230VAC 50, 60, 400Hz	43.4 / 21.7

TELECOM INVERTERS

Telecom Inverters

Analytic Systems offers a broad range of telecom-quality sine-wave inverters for professional applications, with output power ranging from 100 VA to 5000 VA.

These products are designed to achieve the optimum ruggedness required for transportation, industrial, telecommunications and military applications. 19" or 23" rackmount hardware is offered for all models. Plug-in modular system alternatives are available for all larger models.

In addition to quality of workmanship, this concept indicates that our inverters comply fully with EMI requirements for EN 55022 Class B with a significant dB margin. The audio frequency range noise (C-message) on the input is also very low.

Analytic Systems' Inverters have a multi-stage filter on the input and output, and have large hold-up capacitors on the internal 200 VDC or 400 VDC rail for complete elimination of the 60 Hz ripple on the inverter input.

3-Phase industrial inverters (ITP Series) available in 1500, 3000 and 6000VA (see website).

See Table 2 for available models.

Generic Model	Standard Input Voltages	Power (VA)	Voltage (Volts)	Current (Amps)
IVS100	24, 32, 48, 125	100	115 VAC	0.87
IVS150	24, 36, 48, 125	150	115/230 VAC	1.3/ 0.65
IVS200	24, 36, 48, 125	200	115/ 230 VAC	1.7/ 0.86
IVS300	24, 32, 48, 125	300	115/ 230 VAC	2.6/ 1.3
IVS1500	24, 32, 48, 72, 125, 250	1500	115/ 230 VAC	13
IVS2000	24, 32, 48, 72, 125, 250	2000	115/ 230 VAC	17.4
IVS2000R	24, 32, 48, 72, 125, 250	2000	115/ 230 VAC	17.4 / 8.7
IVS2500R	24, 32, 48, 72, 125, 250	2500	115/ 230 VAC	21.7/ 10.9
IVS3000R	24, 32, 48, 72, 125, 250	3000	115/ 230 VAC	26
IVS4000R	24, 32, 48, 72, 125, 250	4000	115/ 230 VAC	34
IVS5000R	24, 32, 48, 72, 125, 250	5000	115/ 230 VAC	43.5
RVS500	125	500	115/230 VAC	4.4/ 2.2
LVS1000	24, 36, 48, 125, 250	1000	115/230 VAC	8.7/ 4.34