

FC300 Series

10KVA-400KVA

Three Phase Frequency Converters PWM Controlled

- LCD alphanumeric Front Panel
- Low distortion output waveform
- 2 microcontrollers
- 128 event records, 4000 alarms memory
- Clock and calendar (battery supported)
- Output short circuit protection
- Overtemperature protection "Overload protection
- Remote control from RS232 port
- Remote emergency power off input (REPO)
- Custom input voltage and frequency ranges
- Three phase or single-phase options
- SNMP communication
- 10 years spare parts support
- Optional battery backup operation
- TUV-ISO9001 managed development and production
- Compatible with international standards
- Optional parallel operation "IPM and PWM technology
- Input switch, output CB, output switch
- 50 Hertz in / 60 Hertz out
- 60 Hertz in / 50 Hertz out
- 50 Hertz in / 400 Hertz out
- 60 Hertz in / 400 Hertz out
- ISO14001 certificate, CE compatible, GOST certificate "AC / DC voltage low and high protection



META FC300 Series Frequency Converter are are microprocessor controlled, with stable output voltage and frequency which produces pure sinewave output waveform.



Technical Specifications & UPS Selection Guide:

| INPUT | |
|---------------------|---|
| Voltage | 230/400VAC 3Phase , 4 cable , $\pm 20\%$ |
| Frequency | See Model Selection table |
| Voltage THD | <10% |
| EMI | EN50091-2 class A |
| Protection | Input fuse, voltage low and high alarm |
| OUTPUT | |
| Power (KVA) | 10-400KVA |
| Power Factor | standard 0.8 or special product |
| Voltage / Frequency | See Model Selection table |
| Frequency tolerant | $\pm 0.2\%$ |
| Protection | Overload, short circuit, voltage low and high alarm |
| Crest Factor | 3:1 |
| Over Load | 100-125% load 10 mins, 125-150% 1 min, >150% output inhibit |
| THD (full load) | <3% |
| General | |
| Human interface | Alphanumeric LCD panel, mimic lamps ,control buttons |
| Parallel | Available as option |
| Alarm memory | 128 events, 4000 alarms with time and date |
| Clock and calendar | Standard |
| Communication | RS232 serial port |
| Protections | Overtemperature and overload protection |
| Ambient temperature | 0-40 C |
| Protection degree | IP20 |
| Humidity / altitude | %90 (non condensed) / <1000 m below sea level |

| Model Selection Table | | | |
|-----------------------|--------------|-----------------|------------------|
| Model | Output Power | Input Frequency | Output Frequency |
| FC310 | 10KVA | 50/60 Hz | 50/60/400 Hz |
| FC315 | 15KVA | 50/60 Hz | 50/60/400 Hz |
| FC320 | 20KVA | 50/60 Hz | 50/60/400 Hz |
| FC330 | 30KVA | 50/60 Hz | 50/60/400 Hz |
| FC340 | 40KVA | 50/60 Hz | 50/60/400 Hz |
| FC360 | 60KVA | 50/60 Hz | 50/60/400 Hz |
| FC380 | 80KVA | 50/60 Hz | 50/60/400 Hz |
| FC3100 | 100KVA | 50/60 Hz | 50/60/400 Hz |
| FC3120 | 120KVA | 50/60 Hz | 50/60/400 Hz |
| FC3160 | 160KVA | 50/60 Hz | 50/60/400 Hz |
| FC3200 | 200KVA | 50/60 Hz | 50/60/400 Hz |
| FC3250 | 250KVA | 50/60 Hz | 50/60/400 Hz |
| FC3300 | 300KVA | 50/60 Hz | 50/60/400 Hz |
| FC3400 | 400KVA | 50/60 Hz | 50/60/400 Hz |

