

## 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 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

