



DLT FC 300 Series

Frequency Converter
10-200 kVA



The device may also change the voltage, but if it does, that is incidental to its principal purpose 3 Phase Frequency Converters PWM Controlled

Technical Specifications

- LCD alphanumeric front panel
- 2 microcontrollers
- 128 event records with RTC
- Clock and calendar (battery supported)
- Remote control from RS232 port
- Custom input voltage and frequency ranges
- Three phase or Single phase options
- SNMP communication
- 2 years warranty
- 10 years spare parts support
- 50 Hertz in / 60 Hertz out
- 60 Hertz in / 50 Hertz out
- 50 Hertz in / 400 Hertz out
- 60 Hertz in / 400 Hertz out

Specifications

DELTA DLT FC300 Series, 3 phase frequency converters PWM controlled, IGBT technology and system is controlled from a microprocessor.

Frequency changer or frequency converter refers to an electronic device that converts alternating current (AC) of one frequency to alternating current of another frequency. The device may also change the voltage, but if it does, that is incidental to its principal purpose.

Why We Need to Use An Frequency Converter ?

Your national electricity voltage and frequency is not suitable for your equipment in this case you need a frequency and voltage changer device, transformers can change only voltage not the frequency.

Common frequency ranges are 50 Hertz,60 Hertz and 400 Hertz values

MODEL SELECTION TABLE

Model	Output power	Input frequency	Output frequency
FC310	10 kVA	50/60 Hz	50/60/400 Hz
FC315	15 kVA	50/60 Hz	50/60/400 Hz
FC320	20 kVA	50/60 Hz	50/60/400 Hz
FC330	30 kVA	50/60 Hz	50/60/400 Hz
FC340	40 kVA	50/60 Hz	50/60/400 Hz
FC360	60 kVA	50/60 Hz	50/60/400 Hz
FC380	80 kVA	50/60 Hz	50/60/400 Hz
FC3100	100 kVA	50/60 Hz	50/60/400 Hz
FC3120	120 kVA	50/60 Hz	50/60 Hz
FC3160	160 kVA	50/60 Hz	50/60 Hz
FC3200	200 kVA	50/60 Hz	50/60 Hz

Voltage	230/400 VAC 3 phase, 4 cable, +/-20%
Frequency	See model selection table
Voltage THD	<10%
EMI	EN50091-2 Class A
Protections	Input fuse, voltage low and high alarm
OUTPUT	
Power (Kw)	10-200 kVA range
Power factor	Standard 0,8 or special product
Voltage / frequency	See model selection table
Frequency tolerant	+/- 0,2%
Protections	Overload, short circuit, voltage low and high alarm
Crest factor	3:1
Overload	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 memor	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