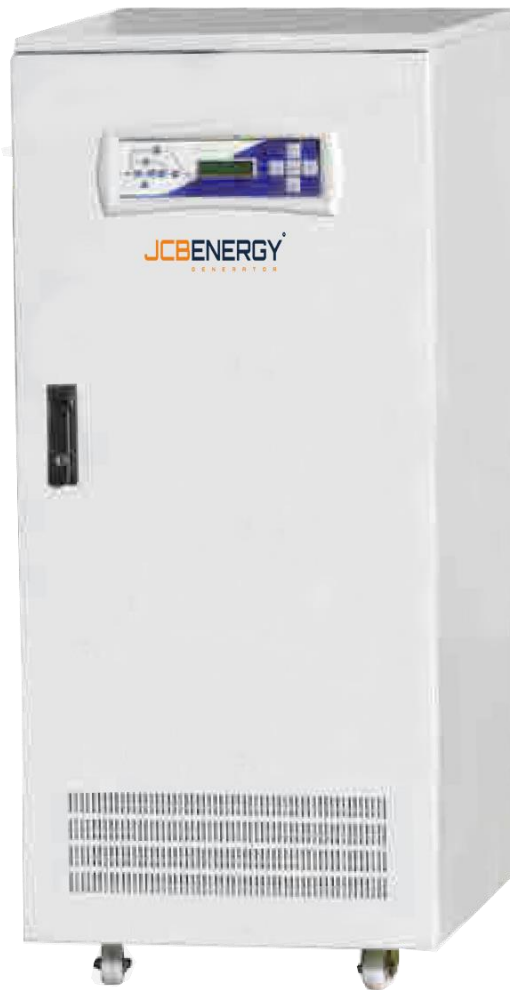




# JFC 300 SERIE



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## FREQUENCY CONVERTER

### 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
- The device may also change the voltage, but if it does, that is incidental to its principal purpose 3 Phase Frequency Converters PWM Controlled
- 50 Hertz in / 60 Hertz out
- 60 Hertz in / 50 Hertz out
- 50 Hertz in / 400 Hertz out
- 60 Hertz in / 400 Hertz out

JCB 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
JFC 310	10 kVA	50/60 Hz	50/60/400Hz
JFC 315	15 kVA	50/60 Hz	50/60/400Hz
JFC 320	20 kVA	50/60 Hz	50/60/400Hz
JFC 330	30 kVA	50/60 Hz	50/60/400Hz
JFC 340	40 kVA	50/60 Hz	50/60/400Hz
JFC 360	60 kVA	50/60 Hz	50/60/400Hz
JFC 380	80 kVA	50/60 Hz	50/60/400Hz
JFC 3100	100 kVA	50/60 Hz	50/60/400Hz
JFC 3120	120 kVA	50/60 Hz	50/60Hz
JFC 3160	160 kVA	50/60 Hz	50/60Hz
JFC 3200	200 kVA	50/60 Hz	50/60Hz

<b>Voltage</b>	230/400 VAC 3 phase, 4 cable +/-20%
<b>Frequency</b>	See model selection table
<b>Voltage THD</b>	<10%
<b>EMI</b>	EN50091-2 Class A
<b>Protections</b>	Input fuse, voltage low and high alarm
<b>Output</b>	
<b>Power</b>	10-200 kVA range
<b>Power Factor</b>	Standard 0,8 or special product
<b>Voltage/Frequency</b>	See model selection table
<b>Frequency Tolerant</b>	+/- 0,2%
<b>Protections</b>	Overload, short circuit, voltage low and high alarm
<b>Crest Factor</b>	3:1
<b>Overload</b>	100-125% load 10 mins, 125-150% 1 min, >150% output inhibit
<b>THD (full load)</b>	<3%
<b>General</b>	
<b>Human Interface</b>	Alphanumeric LCD panel, mimic lamps, control buttons
<b>Parallel</b>	Available as option
<b>Alarm Memor</b>	128 events, 4000 alarms with time and date
<b>Clock and Calender</b>	Standard
<b>Communication</b>	RS232 serial port
<b>Protections</b>	Overtemperature and overload protection
<b>Ambient Temperature</b>	0-40°C
<b>Protection Degree</b>	IP20
<b>Humidity/Altitude</b>	%90 (non condensed) / <1000 m below sea level



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