

# INFORM FREQUENCY CONVERTER

Uninterruptible Power Systems  
3 Phase in – 3 Phase out / 10 to 200kVA



INFORM Frequency Converters are designed to use for special applications and to work at hard industrial conditions. Inform frequency converter is produced with PWM and IGBT technologies ;

- Double conversion and PWM technology with pure sinewave output
- Galvanic Isolation
- IGBT Technology with sinewave output
- Emergency close switch connection
- User friendly front panel( 5button and LCD indicator ), detailed information Availability to do the adjustment of parameters through front panel,
- Microprocessor controlled main , rectifier and optional parallelisation boards,
- History log of 64 events, calendar and time indicators,
- High performance at non-linear loads,
- Testing of the communication contacts via simulation,
- Dial-up modem connection ( on AT Command set ) ,
- Remote monitoring via network,
- SNMP compatibility,
- Low input harmonic distortion and increased pf with optional THCDL version,
- High Efficiency,
- Production according to the CE and ISO9001,
- 10 Years spare parts supply warranty,
- Low installation and operating cost,

**inform**  
"Uninterruptible Energy"



# FREQUENCY CONVERTER TECHNICAL SPECIFICATIONS

MODEL	FC 310	FC 315	FC 320	FC 330	FC 340	FC 360	FC 380	FC 3100	FC 3120	FC 3160	FC 3200
Output Power kVA	10	15	20	30	40	60	80	100	120	160	200
Output Power Kw	8	12	16	24	32	48	64	80	96	128	160
Power factor	0.8 lagging										
INPUT											
Voltage	380V , 3 Phase ( optional 400-440V)										
Tolerance	±15%										
Frequency	50 / 60Hz										
Tolerance	±5%										
Power factor	0,8 ( with optional THCDL version :0,95)										
max RFI	EN 50091-2 Class A										
OUTPUT											
Voltage	120/208VAC, 3Phase, 4Wire+G										
Voltage Stability	static ( balanced load ) : +/-1%										
	static ( unbalanced load ) : +/-2%										
	Dynamic (0% - 100%step load ) : +/-8%										
Uptum Time	after 0%-100% step load: max40msec										
Crest factor	3:1( 755 of the nominal load )										
Frequency	50 / 60 / 400 Hz on request										
Frequency Tolerance	±0.2%										
Overload 101% - 110% load	1h										
Overload 130% load	10min.										
Overload 150% load	1min.										
Overall Efficiency	> 86%										
Total Harmonic Distortion	<3% at linear load										
	<5% at non-linear load										
COMMUNICATION											
Interface	RS232 and Dry Contact,										
PHYSICAL											
Weight without battery (kg)	240	255	270	285	490	570	600	750	810	970	1170
Dimensions(mm) WxDxH	490x650x1190				565x820x1400		720x800x1450	1192x874x1720			
ENVIRONMENT											
Audible Noise	<55dBA					<60dBA		63 to 66dBA			
Operating Temperature	0-40°C										
Relative Humidity (non condensing)	0-95%										
Standards	EN 50091-1 (safety), EN 50091-2 (EMC),IEC 62040-3 ( class VFI), IP20										