

SPECIAL PRODUCTS

FREQUENCY CONVERTERS

Tescom, Frequency Converters are used for converting either 50Hz, 60Hz or 400Hz, utility line power to 50Hz, 60Hz or 400Hz power to run your mission critical equipment. All Tescom solid state frequency converters use IGBT technology and are designed for continuous operation.

INPUT

Voltage	220/230V single phase - 380/400V 3 phase \pm 15% (other voltages; ask)
Frequency	50Hz./60Hz./400Hz. (\pm 5%)

OUTPUT

Power (kW)	5kVA to 300kVA 50Hz /60Hz /400Hz
Voltage	120/208V 60/400Hz - 230/400V 50/60Hz. (other voltage ranges available)
Voltage regulation	+ 1% (balanced load) + 2% (unbalanced load)
Frequency	50/60/400Hz.
Frequency stability	+ 0,2 Hz (free running)
Efficiency	85% - 90%
Protections	Short circuit protection, overload protection, output voltage out of tolerance protection
Voltage protection	AC voltage low and high protection
Output waveform	Sinusoidal (THD < 3% for linear load)
Output power factor	0.7 (single phase) - 0.8 (three phase)

INVERTERS

Tescom, pure sinewave inverters (192VDC to 400VDC) provide premium power that is identical to or even better than power supplied by your electric company. They produce low distortion sinus waveform output to your mission critical equipment.

INPUT

Voltage	192 VDC - 400 VDC
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OUTPUT

Power (kW)	3kVA - 300kVA
Voltage	120/208 V, 60/400 Hz - 230/400V, 50Hz / 60Hz (other voltage ranges available)
Voltage regulation	+ 1% (balanced load) + 2% (unbalanced load)
Frequency	50Hz / 60Hz / 400Hz
Frequency stability	+ 0,2Hz (free running)
Efficiency	85% - 90%
Overcurrent protection	Electronic protection
Voltage protection	AC voltage low and high protection
Output waveform	Sinusoidal (THD < 3% for linear load)
Load power factor	0.8

GENERAL

Power module	IGBT or IPM module
Front panel	Alphanumeric LCD 2x16 characters
Control buttons	3 or 5 buttons
Bypass	Available as option
Bypass isolation	Available as option
Parallel operation	Available as option (up to 4 devices)
Alarm buzzer	Available
Remote REPO input	Available
RS232 interface	Available
Dry contact outputs	Available
DC input protection	3 level alarms

GENERAL FEATURES

- Detailed monitoring by alphanumeric LCD panel 2 microprocessors 128 long event recording with RTC
- Separate battery supported clock and calendar
- RS232 or DRY contact relays custom input voltage and frequency ranges
- 3 phase or single phase options
- SNMP communication
- 2 years warranty

