



# TECHNOVISION ENERGY PVT. LTD.



**POWER SOLUTIONS**

'KONARK', S No. 50/3A/4,, Ground Floor, Narhe,  
Near Navale Hospital, Beside Kanhayalal & Co.,Narhe road, Pune-411041

Tel: (020) 24390841 Telefax: (020) 24390063

E-mail: [sales@technovisionenergy.com](mailto:sales@technovisionenergy.com) Website:

[www.technovisionenergy.com](http://www.technovisionenergy.com)

## **Technical Specification (3Ph input – 3Ph output) Static Frequency Converter.**

Nominal input voltage	220VAC, +/- 10% 3phase 4 wire+ground.
Nominal Input frequency	60HZ +/- 5%
Accurate output voltage	415VAC +/- 1%
Accurate output frequency	50Hz+/-0.5%
Output power factor	0.8 lagging to Unity
Transient response	For 100% step load change output stays within +/- 5% and recovers within 20 milliseconds.
Inverter technology used	PWM, IGBT Based.
Output waveform	Pure sine wave
Output overloading	100% for continuous 120% for 15mins 150% for 30secs
Crest factor	3:1
DC – AC conversion efficiency	Greater than 90%
Operating & Storage temp	0 to 40 deg C
Humidity range	95% Rh (non condensing)
Total Harmonic Distortion	Less than 5% at linear load
Generator compatible	Yes
Alarms warning	Input Low Input High O/P Low O/P High O/P over load Trip
Monitoring Indications & Protections	Mains Normal Inverter Normal I/P Voltage (LCD) I/P Current (LCD) I/P Frequency (LCD) O/P Voltage (LCD) O/P Current (LCD) O/P Frequency (LCD) Mains high / Low Single phasing Overload
Audible noise	Less than 60 db at 1 meter.



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Cooling facility	Forced air cooling & Natural Air cooling.
Chassis design	IP-54.