



Total Power Conditioners

Frequency Converter (Range 1 KVA – 30KVA)

Input

AC Voltage	: 230V/415VAC,-20% to +15%
Phase	: Single/Three
Frequency	: 50Hz±10%

Output

AC Voltage	: 230V/415VAC±1%
Phase	: Single/Three
Frequency	: 60Hz to 400Hz±0.05%
Power factor	: 0.8 Lag
Harmonic distortion	: Up to 5%

Output

AC Voltage	: 230V±1%
Phase	: Single
Frequency	: 60Hz to 400Hz±0.05%
Power factor	: 0.7lg to unity
Waveform	: Sinusoidal
THD	: <2%
Transient response	: ±5% for a step load of 100%
Recovery	: <10msec
Load crest factor	: 3:1

Protection

Full protection	: Under/Over voltage, Overload, Short circuit, AC/DC fuse
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Indications

LED	: Mains ON, Mains fail, Charger ON, Inverter ON, Battery LOW
Audio Alarm	: Battery LOW, Mains fail, Inverter OVERLOAD

Performance features

Isolation	: Output is completely isolated from Input
Overload capacity	: 120% for 10min, 150% for 5sec
Cooling system	: Forced Air

Environment

Temperature	: 0 to 50 deg C
Humidity	: 20 to 90% non condensing
Noise level	: <50dB