



- Supply voltage 240v +/-15% - Output voltage 240 +/-3%
- Line Conditioners with non-standard input or output are readily available.
- Inherent short circuit protection.
- Manufactured to AS3108.
- Provides a sinusoidal output (typically 3% harmonic content) irrespective of electricity supply voltage distortions.
- Durable ferro-resonant style construction
- Designed for efficient operation - typically 90%
- Manufactured in Australia by a 100% Australian owned company.
- Available in enclosed , open and gear tray style.

## SPECIFICATIONS

<b>Input Power Factor:</b>	At full load (unity p.f.) the input powerfactor will be greater than 0.9 when the input voltage is within the rated operating range, and typically 0.98 at nominal supply voltage.
<b>Load Powerfactor:</b>	The output voltage is influenced by the load powerfactor. A leading powerfactor marginally increases the output voltage while a lagging PF decreases the output voltage.
<b>Frequency Change:</b>	The output voltage will change by 1.5% for every 1% change in the nominal supply frequency.
<b>Overload:</b>	The Line Conditioner can tolerate an overload of up to 150% and still maintain output voltage. With a complete short-circuit on the output, the Line Conditioner will limit the output current to 200%, thereby protecting the unit from damage.
<b>Harmonic Distortion:</b>	The output waveform is sinusoidal with a total harmonic distortion level of less than 3% at full load. The output waveform will remain sinusoidal even if the supply waveform is distorted.
<b>Response Time:</b>	The Line Conditioner will respond immediately to slow changes in the load and supply voltage, and within 30 milliseconds for abrupt changes. Stored energy in the capacitor circuit of the ferroresonant transformer allows the Line Conditioner to maintain full output for a total line loss of up to 3 milliseconds.
<b>Noise Rejection:</b>	Typical common-mode rejection is greater than 120dB for frequencies up to 1MHz and transverse-mode rejection greater than 60dB for frequencies from 10kHz to 1MHz.
<b>Regulation:</b>	The output voltage will remain within plus or minus 3% of nominal with a variation in the supply voltage of plus or minus 15% or change in the load from no-load to full-load.
<b>Ambient Temperature Limits:</b>	-20C to +65C.

## MODEL TYPES ( ENCLOSED VERSION )

TYPE	RATING	DIMENSIONS (mm)			WEIGHT
		L	H	W	
(1)	100VA to 300VA	300	215	220	8 - 12
(2)	350VA to 1100VA	395	280	280	13 - 28
(3)	1200VA to 5000VA	490	320	360	30 - 70

## REGULATION GRAPH

**Effect on Line Regulation from No Load to 150% Load**

