

What Makes a Good Power Converter?

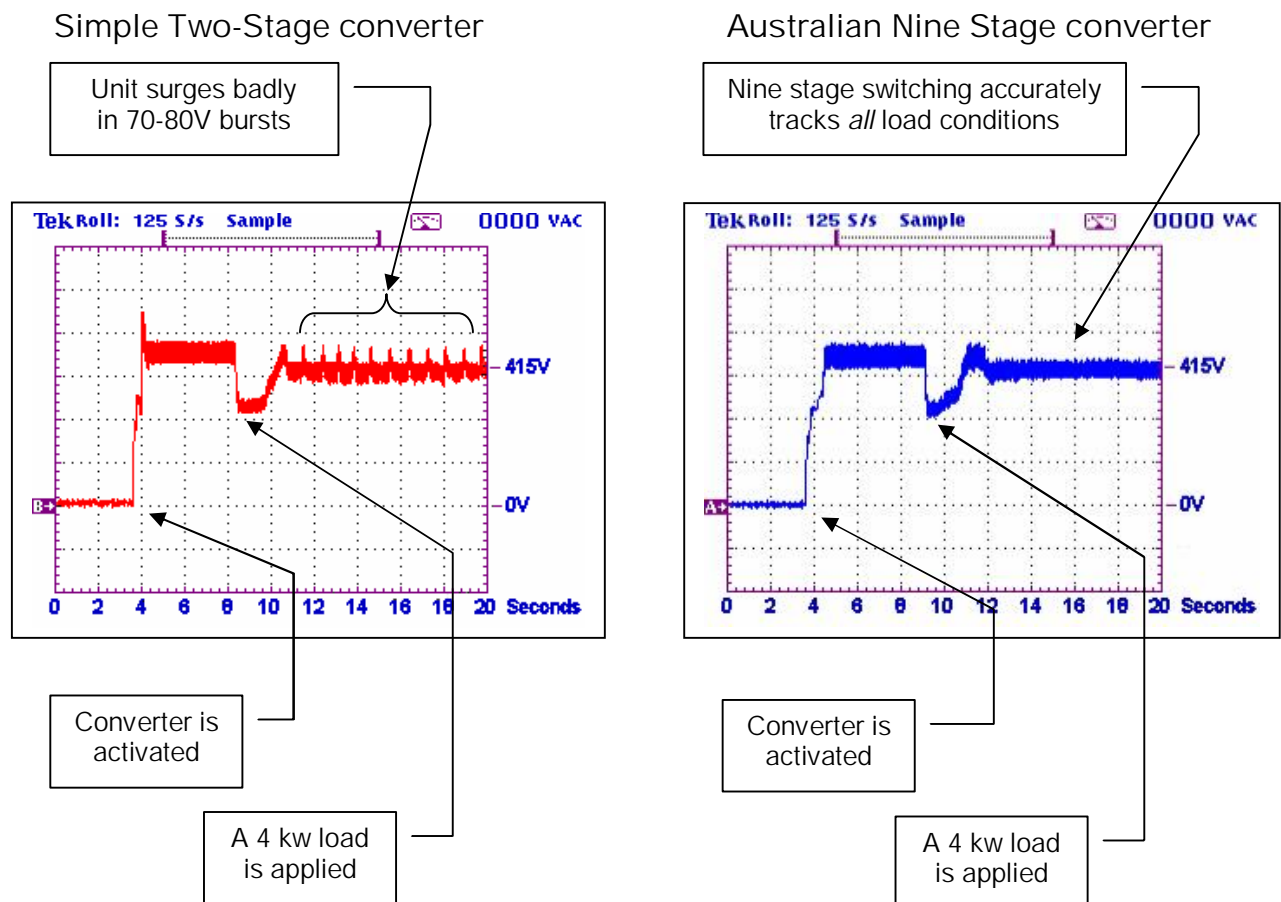
The best single phase to three-phase converters available on the world market today, use electronic switching to switch capacitor banks. These capacitors are balancing stages which must be switched on or off as the user applies different loads. This balances the output voltage symmetry between phases under varying load conditions. With a Phase-Changer, under big mechanical loads or machine start conditions, this switching can reconnect a large start capacitor bank, providing the 'boost' needed to get the load running.

Most power converter electronics on the world market use only *one* or *two* stages. This is extremely coarse and can cause continuous surging as the unit tries to find an optimum setting. Machinery operators will notice this surging while performing critical work through their converter.

The Australian made [Phase-Changer](#) uses *Nine* switching stages under microprocessor control to provide very fine control over the output of the converter. This provides a very smooth voltage regulation over the entire load range of your equipment.

The two images below are actual recorded data of two 8 KW converter units running at half load condition. The simple two-stage unit exhibits surging in one-second bursts of up to 70 Volts on the output!

Operating under the same conditions, the Australian [Phase-Changer](#) uses it's four switching stages in coded sequence to give nine possible output settings. It immediately settles down to accurately track whatever load is applied within the rated KW range of the converter. This includes an advanced boost mode that is automatically activated when extremely large loads are switched in.



When shopping for a power converter unit, ask the supplier how many load-balancing stages their product has. If there are only one or two stages in use, it is probably not suitable where good load regulation is important to your three-phase equipment!

Phase Change Converters: Australia's Smartest 3 Phase Power Converters ph: 1300 137 510