

Single to three phase Booster converters



Boosters are single to three-phase rotary converters for industrial applications. They convert 230 V single-phase to perfect 400 V pure sine-wave power.

Boosters produce balanced three-phase voltages for all machines with motors. Their three-phase outputs provide correct phase angles and output voltage symmetry. The 100% duty cycle enables continuous operation at full load. The momentary overload capability is 300%. Starting motors accelerate as fast as if connected to the three-phase utility grid. Best is to select a converter with a kW rating 10% higher than the largest load.

Boosters are used on a wide range of machines, including lathes, planers, saws, thicknessers, spindle moulders, combination machines, band saws, drill presses, grinders, milling machines, compressors, car hoists, surface and deep-well pumps, welders, guillotines, conveyors, to name a few. For machines including CNC please see the MultiPhase converter.

A Booster comes with installation instructions. With two wires going in and three wires going out, it is easy to install. This involves connecting a single phase cable from a switched single-phase wall outlet to the Booster's input connector block and connecting a cable from the Booster's three-phase output connector block to one or more three-phase wall outlets.

Boosters have digital indicators for output voltage and output current. The smart digital controller uses solid state zero crossing technology. It recognises when motors start and provides the right currents needed to maintain voltages during motor inrush conditions.

Longevity is ensured by carefully selected long-lasting components. The 800 x 410 x 370 mm steel cabinet is powder-coated black. It will be shipped or can be collected from our workshop in Paeroa.

A Booster comes with a five year part replacement warranty.