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Single to three- phase wall converter module ME

The module ME converter utilises thyristor capacitor switching technology to convert single phase to three-phase power.

Input voltage is dual phase 415V. If your supply voltage is 240V single phase or rural 480V split phase, a single phase auto transformer is required to produce 415V.

Output voltages are three-phase 415V between phases after an idler motor is connected. Voltages are unbalanced, this is acceptable with motor loads. If loads are inverters such as VFD, welders, CNC, use a module MT or MF.

- * No need to change the electric circuitry of a machine.
- * Machines can have contactors and electronic controls and displays. *
- High boost currents are produced each time a motor starts.
- * True sine wave outputs at correct phase angles are standard.
- * Motors and machines will run at their full nameplate power and speed.



Modules ride through blackouts, brownouts, power surges, fast transients, short-circuits, line disturbances without stopping.

There are no contacts or moving parts inside a module. Life expectancy is high. Booster modules do not produce harmonics, line disturbances or electromagnetic radiation. Utility companies have no problem accepting our products in their networks. Use it in a workshop (woodworking, metal working) or on a farm.

ME modules require an idler motor. It acts as a motor generator and is an important part of the conversion process. An idler motor must be 2-pole and delta connected. The system will run multiple machines and motors within the power range of a module.

Motors accelerate fast. Machines and motors will produce full speed and full torque. The idler motor can be inside a ventilated box. Soft motor mounts reduce the noise.

Installation is straightforward and is accomplished by an electrician in minutes. Installation instructions: http://www.eurotech.co.nz/text/Booster_M_install.pdf

Run the converter by operating a single phase wall switch. Use the three-phase power as usual.

Transformer recommended

Motor recommended as idler

ME4 240V to 415V auto 4.5kVA

3.7kW = 5hp 2 pole, foot mount

ME8 240V to 415V auto 9.0kVA

7.5kW = 10hp 2 pole, foot mount

