



Install a module ME or MT

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Build a converter with a Booster™ module.

ME modules deliver unbalanced three-phase voltages, sufficient for machines with three-phase motors.

MT produces balanced three-phase voltages for VFDs, welders, plasma cutters, inverter based machines (CNC, air conditioning, heat pumps) and for motors running under extreme loads.

To build such a converter based on a Booster™ module, a standard three-phase motor is required. For locations where 415V two-phase is not available, a single -phase auto transformer is needed to convert 240V or 480V into 415V single-phase. Simple connections will combine these three items into one converter. Let an electrician make the connections if you are not the electrical expert yourself.

Position these items:

Smaller versions:

Mount the enclosed transformer and the module side by side on a wall, the motor in a safe box.

Larger versions:

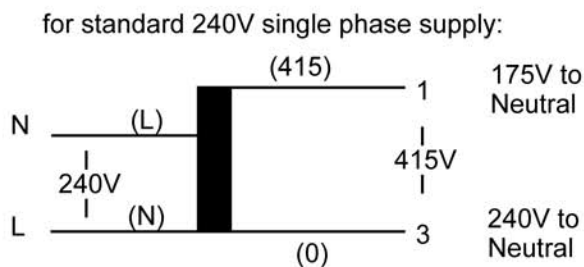
Install the module on a wall, transformer and idler motor inside a safe box. Or all items in one box.

The transformer's kVA rating should be 10-15% above the converter's kW rating.

Transformer manufacturers may put labels on transformer terminals which are often wrong for three-phase converters. This common labeling is shown in brackets.

For a step-up transformer in a converter, N must to be connected to the center tap and L to the common tap. Test: Measure about 175V between the third connector and Neutral. Measure 415V across Common and the opposite connector.

Any voltage between a transformer output and Neutral must not be higher than the input voltage.



Labeling shown above in brackets is often found with standard transformers. They are wrong for use in converters. Change labels. Test voltages first before you connect a transformer to a module.

Make sure phase 3 of a converter is always 240V to Neutral.

