

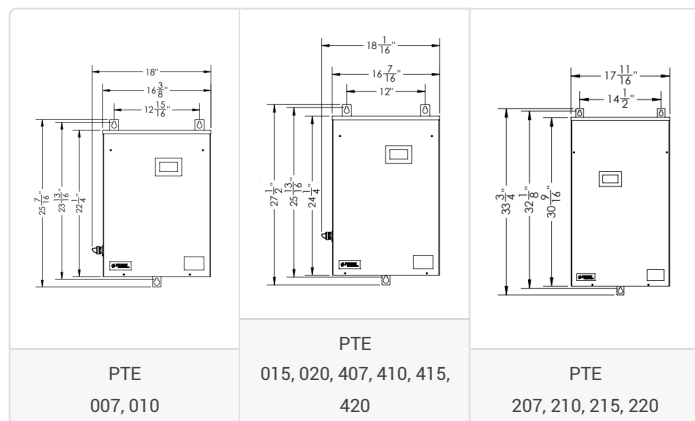
Phase Perfect - Quick Start Guide

Installation

Enterprise Chassis Models



Mounting dimensions

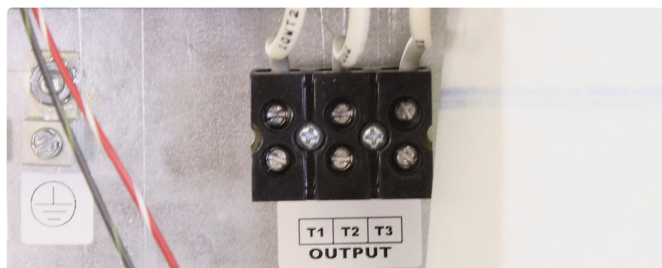


Mounting the Phase Perfect®

1. Attach mounting brackets to back of unit with supplied hardware.
2. Mount the unit to a solid, non-flammable surface capable of holding a minimum of 100 lbs. using the mounting brackets provided with the unit.
3. Ensure air intake and exhaust openings are not obstructed. If mounted in a small room or cabinet, ensure temperature will remain below 40C (104F). *Note: 18" (450mm) clearance below and 6" (150mm) around required for ventilation.*

Connect Wiring

1. Remove the cover by gently lifting and pulling forward after removing the screws on each side and front of the unit.
2. Route cables through the supplied openings in the bottom of the enclosure, using appropriate conduit or strain relief devices. *Note: Continuous metal conduit should be used for all power cables to reduce radiated electromagnetic interference (EMI).*
3. Install the 3 load side conductors into the output terminals labeled T1, T2, and T3. Connect the load side ground conductor into the grounding terminal. *Note: T3 is the manufactured leg on standard models. T2 and T3 are manufactured on voltage-doubling models.*



T1, T2, T3 output terminals and ground terminal

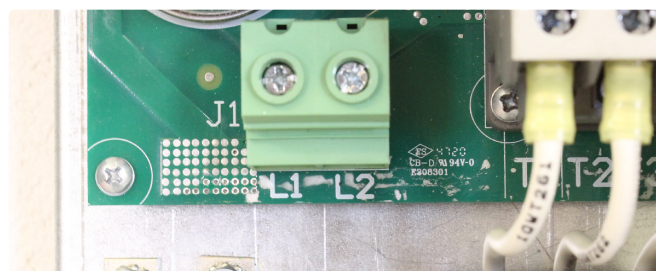
Suggested Breaker Sizes

PTE407	PTE410	PTE007, 207, 415	PTE010, 210	PTE015, 215	PTE020, 220
30A	40A	60A	80A	125A	150A

4. Properly ground the phase converter according to local electrical code. Connect the ground lug to the branch circuit or service ground conductor.

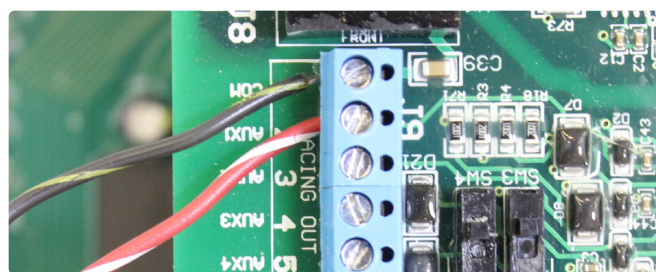


5. Connect the line side input leads into the terminal labeled L1 and L2.



L1 and L2 input terminals

6. To add an external run/stop switch, remove the orange jumper wire and connect the switch to AUX1 and COM terminals. *Caution: No voltage may be introduced on these terminals. Dry contact only.*



AUX1 and COM connected to external switch

Powering up the Phase Perfect®

1. Replace the cover and secure using the previously removed screws.
2. Turn on the line side breaker and verify screen turns on. *Note: Once the unit is fully energized the internal contactor will pull in. Once this occurs a light sizzling noise will be emitted, and is normal.*

Note: Output is in high-leg delta configuration. Leg to leg voltage will match input voltage, leg to ground will be higher on T3 than T1/T2.



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