

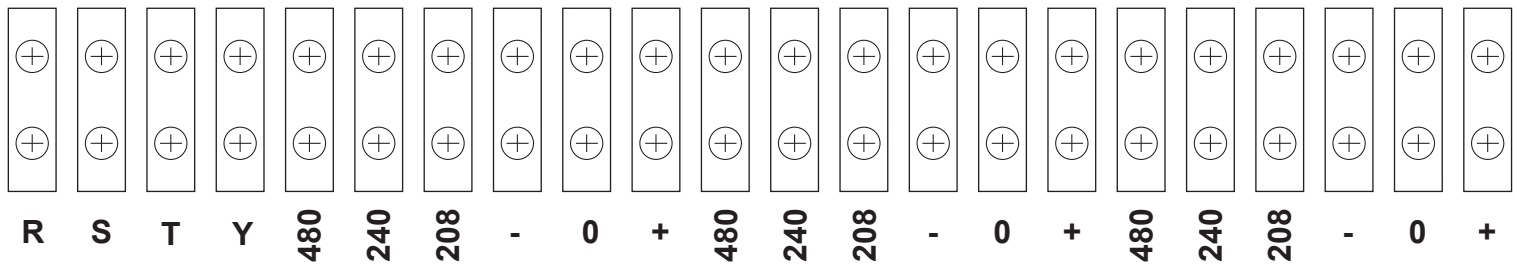
PBM Charger Voltage Change Instructions

The PBM charger will work on 50/60Hz. It can be set for either 208/240/480 volt services. If the unit is not preset for your default building voltage, no worries it takes 5 minutes to convert to the service you require. Please see directions below on how to convert. No electrician is needed to convert the unit.

Please be advised that we cannot for liability purposes give any advise on how to wire the unit to your panel. It is the customer responsibility to determine phase and input voltage as well as getting the charger wired up. We suggest a licensed electrician is needed for this.

THREE PHASE UNITS/CHANGING VOLTAGE

MAINS CONNECTION 3 Phase (208 / 240 / 480 VAC)



Successful wiring hook up for 208/240 Volts:

On the far LH bottom of the plastic tap board you will see the letters R S T Y:

For 208 or 240 service Y will not be used, 1 wire from top of Y and 2 from bottom of Y must be removed if installed previous.

The wire #60 goes to the bottom of R

The wire #70 goes to the bottom of S

The wire #80 goes to the bottom of T

Place the other three bottom wires in the correct voltage tap

The bottom wires in 0 (zero) never move

Successful wiring hook up for 480 Volts

On the far LH bottom of the plastic tap board you will see the letters R S T Y:

For 480 service the bottom of R,S + T will not be used. If installed previous all 3 must be removed and inserted into Y.

The wire #60 and #70 go into the bottom of the Y tap

The wire #80 goes to the top of the Y tap

Place the other three bottom wires in the correct voltage tap

The bottom wires in 0 (zero) never move

SINGLE PHASE UNITS/CHANGING VOLTAGE

Simply move the two bottom black wires into the correct voltage, 208, 240 or 480

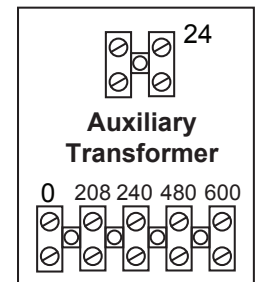
AUXILIARY TRANSFORMER WIRING CONFIGURATION

Successful wiring hook up for 208/240/480 Volts:

The auxiliary transformer in the upper RH (orange in color) must have bottom LH wire in zero and other wire placed in 208, 240 or 480 volt.

Fuses

When changing voltage 208/240/480, different A/C amp fuses are necessary. Please see the decal on the inner door to correctly find the particular amp needed. On the side of the charger you will see a silver tag that will indicate the phase, voltage and amp size of the battery charger.



COMMON QUESTIONS AND MISTAKES

1. When the unit has power from the wall it will not light up nor can you turn it on. The charger is energized when it is plugged into the battery.
2. The forklift truck and battery both use the identical battery connector. Be sure that you plug the lead from the battery into the lead from the charger.
3. All single and three phase chargers come with UL Listed positive and negative cables, along with power cord. They do not need to be changed regardless of the phase or input voltage.
4. The control card on the inside of the door does not need to be modified or edited. The unit is factory set for all normal operations.
5. The unit does automatic equalization. They are smart chargers and set off equalization when needed.
6. Battery should be put on charge when battery has between 30%-50% of remaining charge. Once plugged in, never unplug until charge is complete. A successful charge should read, "OA" in LED display.
7. Make sure lead and batteries are hydrated right above the plates before charging