

PC 10 – 90

Startup procedure

Caution, this unit is set up for an input voltage of 480Vac. Do not use a higher input voltage or serious damage to the unit will occur.

Before working on the unit make sure the primary power is off.

1. Use one of the two knock-outs at the bottom, rear left hand corner of the unit to bring power into the enclosure.
2. Route the input power to the upper right side of the unit to the right side of the transformer.
3. The input power is marked on the transformer and has two yellow crimp terminals attached to the proper input connections.
4. Connect the hot and neutral primary wires to the terminals. Note, it does not make any difference which terminal the power is connected to.
5. Connect the AC ground wire to chassis ground.
6. After connecting the input power the batteries can be placed in the unit.

Caution, before connecting the battery it is recommended that all hand and wrist jewelry be removed. The battery delivers very high short circuit current and serious injury can occur if it is inadvertently shorted during installation.

7. Connect the red battery (+) wire to the positive (+) terminal of battery "1".
8. Connect the black battery (-) wire to the negative (-) terminal of battery "2".
9. Connect the jumper wire between the negative (-) terminal of battery "1" to the positive (+) terminal of battery "2".
10. When this is done a green light will appear on the charge controller.

The unit is now ready for operation. The other knock-out at the bottom rear left hand corner of the enclosure can be used to bring in the cable for the powered devices. This unit is set up for an output Voltage of 24 Vdc. @ 3.75 Amps.

Electrical Specifications

- **Input Voltage** 277/480 Vac. Factory configurable
- **Input current** .75 Amperes/1.04 Amperes Maximum
- **Input Frequency** 50 – 60 Hertz, Single Phase
- **Input Power** 201VA Typical, 300VA Maximum
- **Output Voltage** 24Vdc
- **Output Current** 4 Amperes Maximum
- **Output Power** 90 Watts
- **Battery** 2 - 12Vdc, 75AH, Absorbed Glass Matt (AGM)
- **Fuse, Input** 2Amp, Class CC
- **Temperature** -40C - +60C

Mechanical Specifications

- **Size** 18"H x 18"W x 18"D
- **Weight** 165 lbs. with batteries
- **Construction** .125 Aluminum, Vented
- **Hardware** Stainless Steel
- **Latching mechanism** Lockable with Padlock
- **Mounting** Set up for pole or wall mounting
- **Certifications** NEMA IP-66, UL Listed for US and Canada