



Figure 5 -Connecting Input Power



DANGER

NEVER CONNECT OR DISCONNECT THE PRIMARY UNLESS THE UNIT IS TURNED OFF AT THE CIRCUIT BREAKER LOCATED ON THE REAR PANEL. THE PRIMARY SUPPLY LINE SHOULD ALWAYS BE SWITCHED OFF DURING INSTALLATION. A GROUND MUST ALWAYS BE PROVIDED TO CONNECT TO THE GREEN WIRE ON THE FACTORY INSTALLED PRIMARY.

SINGLE PHASE INSTALLATION

Perform the following steps on the factory equipped primary:

- Check if unit is internally wired for required primary voltage (see voltage change-over procedure, Page 13). The current voltage setting is indicated on the data label on the top of the unit.
- Connect green wire to ground.
- Connect both white and black wires to "HOT" legs.
- Electrically isolate red wire.

DO NOT CONNECT THE RED OR GREEN WIRE TO A NEUTRAL.

THREE PHASE INSTALLATION

Perform the following steps on the factory equipped primary:

- Check if unit is internally wired for required primary voltage (see voltage change-over procedure, Page 13). The current voltage setting is indicated on the data label on the top of the unit.
- Connect green wire to ground.
- Connect white, black and red wires to "HOT" legs.

ENGINE DRIVEN GENERATOR USE

Failure to take special precautions with the PowCon Welding Power Sources and engine driven generators will result in damage to the equipment. The following special startup procedure MUST be followed to prevent damage to both the unit and the generator.

CAUTION

NEVER START UP THE GENERATOR WITH THE CIRCUIT BREAKER ON THE PowCon UNIT IN THE UP/ON POSITION. THE PowCon UNIT MAY BE SWITCHED ON AT THE CIRCUIT BREAKER ONLY AFTER THE GENERATOR IS STARTED AND RUNNING STEADY (AT LEAST TEN SECONDS.)