

# American Alternative Energy

## **Model A1-150SP Owner's Manual**

Read these instructions before use. Save this manual

### WARNING:

1. Opening the unit without prior permission from Eastern Eco Power LLC will void its warranty coverage. Contact Eastern Eco Power LLC at 678-528-2302 if you have any questions.
2. **IMPORTANT!** This unit must be connected directly to a dedicated circuit breaker. Do not, under any circumstances, hard-wire install without a dedicated breaker!
3. Apply this unit to 240V AC, 50/60Hz, single phase residential load only.
4. The unit must be mounted vertically, in a dry location, using the four mounting holes.
5. The unit must be installed by a certified electrician in compliance with local electrical codes.

### YOU WILL NEED:

1. A dedicated, 2-pole, 20Amp, circuit breaker.
2. Appropriate tools.
3. A certified electrician for installation.

### MOUNTING THE PCU (A1-150SP)

1. Inspect the exterior of the unit to insure that it has not been damaged in transit. Ensure that the front label/overlay is still intact, that the warranty seals are intact, and that the cables protruding from the unit have not been damaged.
2. Mount the unit to a clean, dry wall near the power panel. The unit should be close enough to connect to the panel using the cable length provided, but at least one foot away from the power panel. **DO NOT UNDER ANY CONDITIONS SPLICE NEW CABLE ONTO THE UNIT, OR OPEN THE UNIT, TO EX-TEND THE LENGTH OF CABLE PROVIDED.** When mounted, the power indication lights should be visible.
3. Run conduit (according to code) between the conduit connector on the box, and the power panel, and feed the connection cables through the conduit into the power panel.

### INSTALLATION PROCEDURES:

1. If possible, de-energize the power panel prior to connection of the PCU unit.
2. Install the circuit breaker onto the top left breaker, rearrange other breakers if needed so that the PCU is attached to the top left breaker. If not installed on the top left breaker warranty will be void (see warranty information included).
3. Connect the two (2) black wires to the circuit breaker, the ground cable (green) to the ground bar, and the neutral cable (white) to the neutral bar, as shown in the diagram on back.

### RATINGS:

Voltage: 240V AC, 1-Phase, 50/60Hz

Configuration: 3-wire plus ground

Capacitance: 40 $\mu$ f

Line current: 1.8 A at 240V AC

### TEST PROCEDURES:

1. Energize the power panel
2. Close the circuit breaker leading to the PCU unit.
3. Check if the power indicator lights are on:  
If NO - De-energize the unit and check if the cables are connected correctly.  
Check the ground cable connections. If problem persists, call Eastern Eco Power at 678-528-2302.
4. Keep these instructions near the unit for future use.



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## Installation Diagram

