

EMERGENCY

# Solar Power System

SOLAR PV + BATTERY SYSTEM PRESENT · **Panels and battery stay LIVE even when the system is “off.”**

**FIRE · ANY SMOKE · SPARKING OR ARCING · A BUZZING OR CRACKLING ELECTRICAL SOUND · HISSING · POPPING · SWELLING · OR RAPID HEAT**

**GET OUT. CALL 911.**

Tell them: a **solar and battery power system** is here, and the battery type (in the box below). **Do not touch or operate the equipment. Do not try to put it out.** Keep others away.

**Do not go back in until fire officials say it is safe.** Do not restart the system until qualified service personnel have inspected and cleared it.

## **ALWAYS TRUE — EVEN WITH THE SYSTEM “OFF”**

- The panels, and the wiring between the panels and the PV disconnect, stay energized whenever there is light.
- Battery terminals stay live, and the equipment can hold stored voltage inside. Treat all of it as live.
- **Off does not mean safe to touch.** Never unplug a connector, pull a cable, or loosen a lug while it is energized or carrying current.

## **FILL THIS IN FOR YOUR SYSTEM — THEN POST THIS PAGE WHERE THE SYSTEM LIVES**

**Battery chemistry:** ☐ LiFePO<sub>4</sub> (lithium iron phosphate) ☐ AGM lead-acid

☐ Other: \_\_\_\_\_

**Battery bank is:** \_\_\_\_\_

**Panels / array are:** \_\_\_\_\_

**MAIN BATTERY disconnect is:** \_\_\_\_\_

**Solar (PV) disconnect is:** \_\_\_\_\_

**Battery/ESS emergency stop, if installed:** \_\_\_\_\_

**PV rapid-shutdown control, if installed:** \_\_\_\_\_

**Owner / contact:** \_\_\_\_\_

## Normal shutdown — for service or a move (no emergency)

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Use this only when nothing is wrong. Operate **only** the labeled disconnect or breaker that is DC-rated and listed to interrupt that circuit.

1. Turn off the appliances and other loads, then switch the **inverter** off.
2. Open the **battery-to-inverter** disconnect.
3. Open the **solar (PV)** disconnect. This separates the charge controller from the panels; it does **not** make the panels or their wiring safe to touch.
4. Open the **battery-to-charge-controller** disconnect (follow the manufacturer's shutdown sequence).
5. Open the **MAIN BATTERY** disconnect last.

**Off does not mean safe to touch.** The wiring between the panels and the PV disconnect, the battery terminals, and stored voltage inside the equipment may stay live. Follow the discharge time and the test-before-touch steps in your manuals, and lock the disconnects open so they cannot be switched back on. To restart, run the full startup sequence — including the precharge procedure your inverter's manufacturer requires — never just “close everything.”

### EDUCATIONAL SUPPLEMENT — NOT A CODE-REQUIRED LABEL OR EMERGENCY RESPONSE PLAN.

A fixed installation may require approved solar/battery labels, diagrams, specific wording, materials, and placement, plus permits and inspection, under the electrical, fire, and building codes adopted by your local authority (AHJ). This card does not replace those, your equipment manuals, or professional advice.