

TSPDC Transportable (Trailer-Modular Power Storage)

Operational Manual. TSPDC3.5 (3.5 kW units).

Our units require only five minutes for one person to assemble:

Startup Procedures:

1. After Towing, Secure TSPDC3.5 Trailer by:

- a. Install Trailer Double Locking Jack Stands.
- b. Position the 2 Tires Stoppers.
- c. Position the 2 cones.

2. Switch ON the Solar Array.

- a. Switch ON PV DC Breakers.
- b. Switch ON Battery Bank.
- c. Unit will start charging independently of the solar array's position.
- d. Allow the system to charge its batteries four to seven days of full sunlight before switching on the Inverter for first time or after a long period of storage.

3. To maximize the Solar Array output by position the solar array in an angle.

- a. Unlock the solar array by removing the leg pins on the top and side facets (four pins total).
- b. Switch ON the Actuator.
- c. Use Pendant Up-Down to adjust inclination of the solar array. Warning: never raise the actuator when the pins are in place on the top facet of the array. Doing so will result in damaging the panels and actuator.
- d. For long stationary periods or in windy conditions, use the locking pins to secure the solar array on the top facet. Use the actuator to lift the panels to position and insert the pins in each leg, then lower the actuator so that the weight is supported by the locking pins.

4. Switch on Inverter AC

- a. ON AC Breakers internals and externals.
- b. Connect AC Loads.

Visual Startup Procedures:

1.-After Towing, Secure TSPDC3.5 Trailer by:



2.-Switch ON the Solar Array.



3.-To maximize the Solar Array output by position the solar array in an angle.

Top Solar Array.



Use Pendant Up-Down to adjust inclination of solar array

- a. For stationary long periods or windy conditions, use the Lock Pins to secure Solar Array. After it's securely pin (Push Down the actuator to minimize the stress and leave the locked legs).



Side Solar Array: unlock pins, position Solar Module and Pin.



4.-Switch on Inverter AC Internal and External 120VAC Out put



Visual Packing List:

- 2 Tire Stoppers.



- 2 Cones.



- 2 Trailer Double Locking Jack Stands.



- 1 Ladder.



- 1 Full size spare tire.



Visual location of the components:



A- Outlets 120VAC.

2.- DC Breakers.

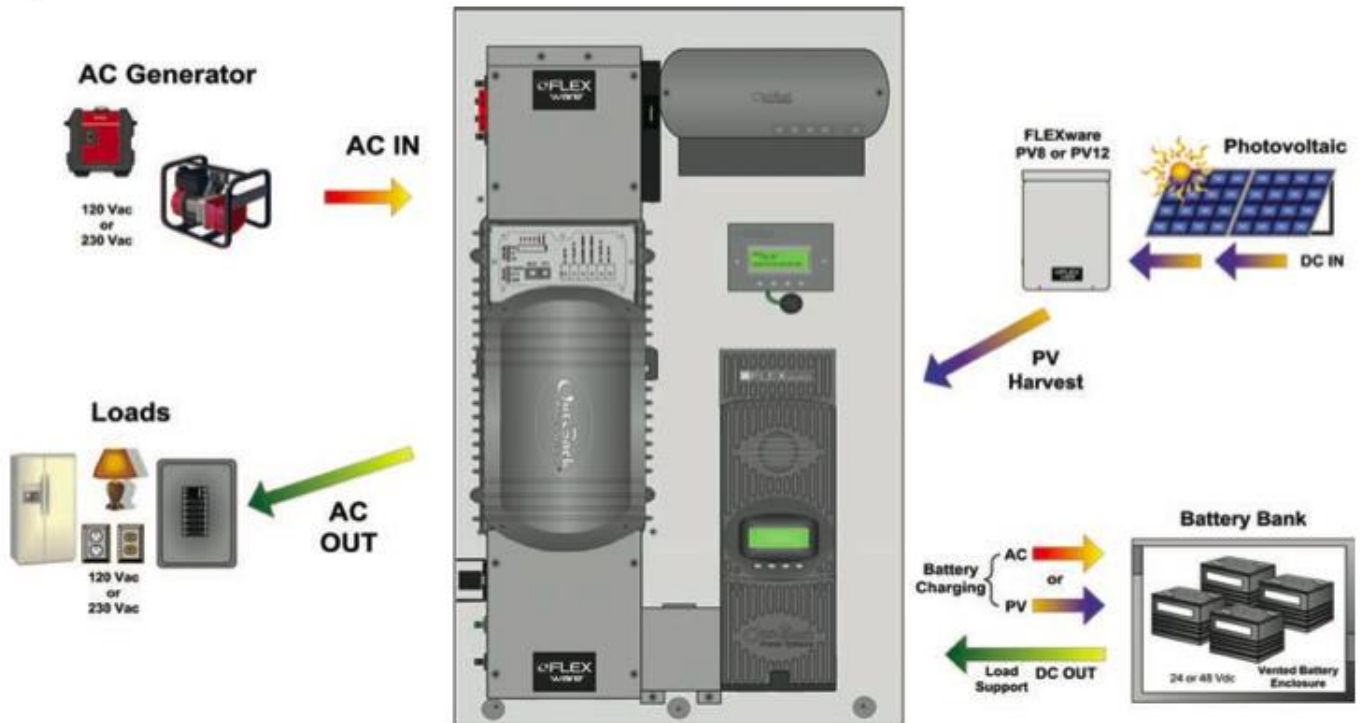
3.- AC Output Breakers.

5.-AC Input Breakers (optional).

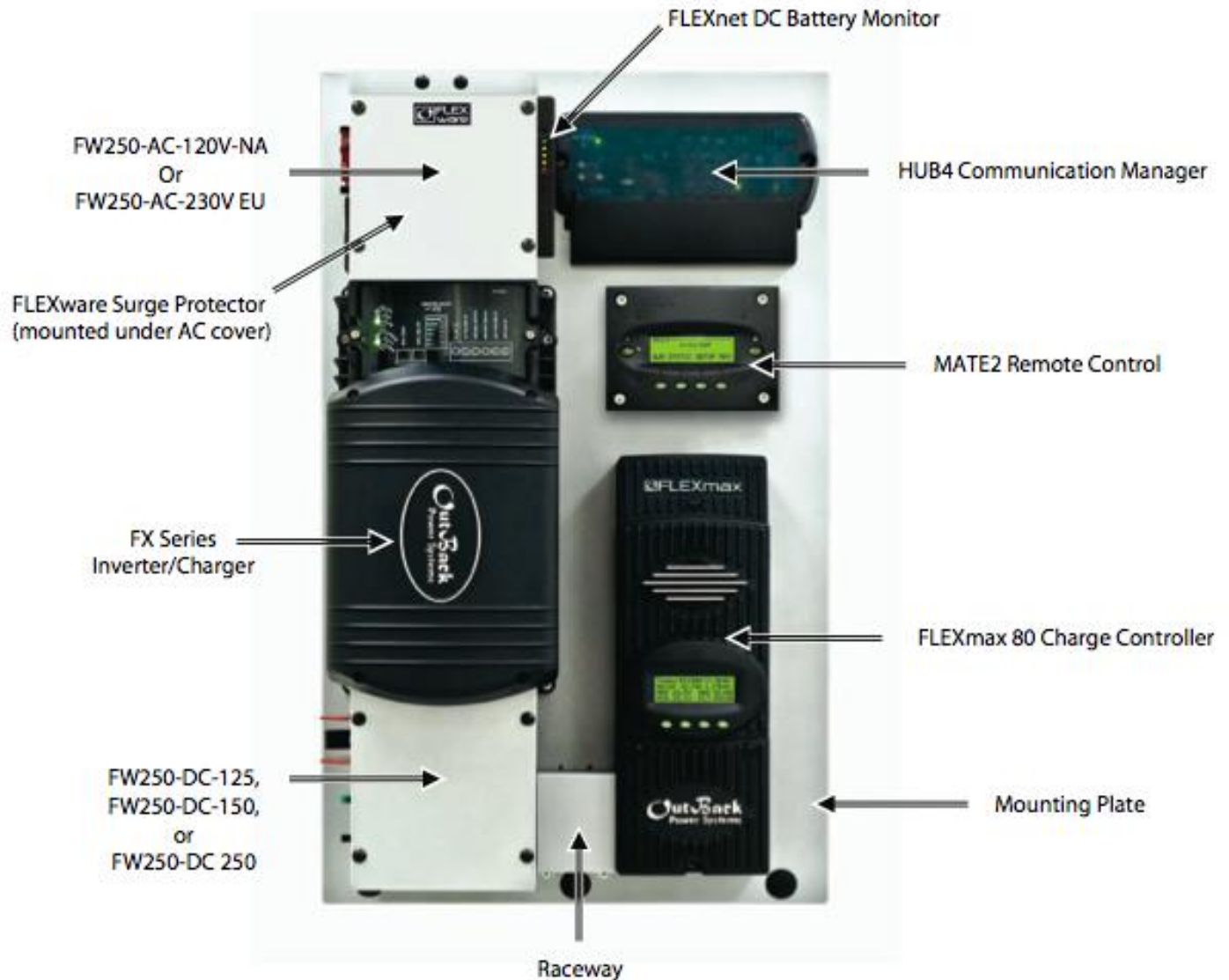
7.-Solar Array input Breakers.

Off-Grid Applications






In off-grid applications, the unit can use the harvested energy from the battery bank as the primary power source. An AC generator can also be connected to support the system when required.



Basic Components:



Symbols Used

Symbol	Description
	Ground
	AC Current
	DC Current
	Single-Phase
	Sine Wave

**WARNING: Hazard to Human Life**

This type of notation indicates that the hazard could be harmful to human life.

**CAUTION: Hazard to Equipment**

This type of notation indicates that the hazard may cause damage to the equipment.

Important Safety Instructions READ AND SAVE THESE INSTRUCTIONS!

This manual contains important safety instructions for the **TSPDC Transportable**. Read all instructions and cautionary markings on the **TSPDC Transportable** and on any accessories or additional equipment included in the installation. Failure to adhere to these instructions could result in severe shock or possible electrocution. Exercise extreme caution at all times to prevent accidents.

Solar Array: we recommend fold solar array down in winds over 75mph.

Grounding:

System grounding is the responsibility of the operator or installer.

Grounding requirements may vary by location and or Country depending on the local electric code.

Note: OkSolar.com/GeneralCommunications.com Corp. cannot be responsible for system failure, damages, or injury resulting from improper installation or operation of their products.