

ALTERNATIVE ENERGY SERIES

Solar PV Charging and Storage Batteries

Model: MEG-CPV-ST

This Pre-Fab do it yourself kit challenges the student to assemble their own power station for a true hands-on experience. The PV panels can be connected in series and parallel and the output electrical energy is stored in a deep cycle battery. This program is designed to introduce the student to the subject of energy STORAGE in batteries. In today's world, energy storage is the KEY element to the successful introduction of electric cars, scooters, communication devices and industrial controls.

The power output is controlled by voltage regulators with 3, 6, 9 and 12 volt DC outlets for battery charging. Inverters can be added to generate 120 volts AC for home use. This kit comes completely weatherproofed and works under all light conditions. It includes 3, 6, 9 and 12 volt DC adapter outlets. It has easy to read LED charge indicators and includes all necessary mounting hardware, lights, 12 volt DC socket and battery clamps. (Contact factory for pricing on batteries and inverters).

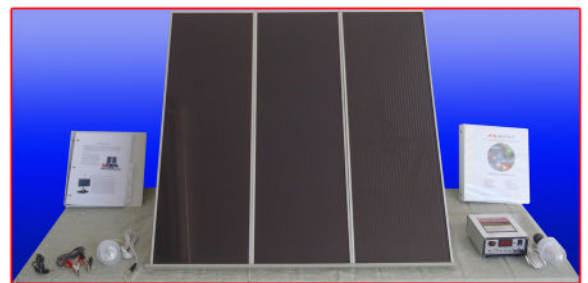
PARTS LIST AND ASSEMBLY DIAGRAM		
Part	Description	Q'ty
1	Solar Panel	3
2	Regulator	1
3	Battery Connector	1
4	12 Volt Light	2
5	Multi-purpose Adapter	1

Part	Description	Q'ty
6a	Left Triangle Frame	1
6b	Right Triangle Frame	1
6c	Bottom Link Bar	1
6d	Top Link Bar	1
7	Light Wire	2



Lithium-Ion Battery Storage

PV systems with batteries for storage are excellent for supplying electricity when and where you need it. These systems are especially suitable in areas where utility power is unavailable or utility line extensions would be too expensive. The ability to store PV-generated electrical energy makes the PV system a reliable source of



Ordering Information: MEG-CPV-ST

Size: Assembled 48" W x 42" H

Weight: 65 lbs. (excluding battery)

Optional:

- 300 W (C-INV)
- 85 Amp Deep Cycle, 12 V Marine Battery (C-BM1)