

SOLAR TECHNOLOGY SYSTEMS.

PO Box 0843, Hollywood, FL 33022 - Tele/Fax: 1.954.416.6227

Email: manager@solartechsystems.com

THE SOLAR BAGS CHARGER FOR MULTI USE

Wholesale
(Email or Fax
Orders
Request)

Model #
MSRP



Model Name

1001
CALL

Backpack \$249



1003
CALL

Converter \$199



1004
CALL

Messenger \$199



1005
CALL

Generator \$499

Panels for all bags come in four colors:
silver, black, orange and green



Send manual orders for wholesale pricing to manager@solartechsystems.com or by fax to 1.530.380.9197.

The bags come with an extensive set of adaptors, so there is no need to carry additional items.

Shipping costs added at standard UPS (DHL for international) rates based on volume, weight, shipping method etc.

The Voltaic Backpack is solar charger built tough for use on a weekend hike bag or computer bag. There are pockets and wire channels for multiple electronic devices and 1,850 cubic inches of storage space.

- **4 watts of solar power** for fast charging. To charge a laptop, see the [Generator](#).
- The solar panels protect fragile items inside.
- **Included battery pack** which stores power until you need it.
- **11 adaptors** for easy connection to handheld electronics.
- Fully padded laptop sleeve for up to a 17" laptop (16.5" x 11" x 3" or 42cm x 28cm x 7cm).
- Wire channels throughout the bag for headphones, bladder tubes etc.
- Adjustable phone / MP3 pouch on the shoulder.
- Removable waist strap.
- High density padding in the shoulder straps and back.
- Mesh backing material for better air flow.
- Shell uses 600D fabric made from recycled PET (soda bottles), which is tough, water resistant and light weight.

The solar panels are waterproof, scratch resistant, and UV resistant. They use a high efficiency monocrystalline cell.

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The three panels operate independently to generate up to 4 watts of power. This is double the power of typical solar chargers and enough to charge most portable consumer electronics (other than laptop computers). See typical **charging times** listed below.

Specifications

	Single Panel	3 Panels
Panel Dimensions	3½" x 7½" 184mm x 88mm	
Weight	4 ounces 120 grams	12 ounces 360 grams
Substrate Type	3mm Aluminum/Plastic	
Cell Type	Monocrystalline	
Cell Efficiency	17%	
Open Circuit Voltage	12.5 V	
Peak Voltage *	10.2 V	
Peak Current *	133 mA	400 mA
Peak Watt †	1.36 W	4.08 W
* Panel output is computed from cell manufacturer's data based on 0% reduction of cell efficiency after packaging of cell strings. Electrical output tolerance +/- 10%		
† Under irradiance of 100 mW / sq. cm, spectrum of 1.5 air mass, at 25 degrees Celsius, as per cell manufacturer's specifications.		

Usage Tips

Note: For maximum power output, angle the panels towards the sun. When the panels are in direct sunlight but not angled towards the sun the power declines about 20%. When they are angled away from the sun the power drops off 80-90%. Dirt and scratches on the face of the solar panels will reduce the amount of light hitting the solar cells and reduce the power generated. To clean them use a damp non-abrasive cloth.

Approximate Charging Times

Item	Hours Direct Sunlight *
Voltaic Battery Pack	8-10
Cell Phone	4-6
Digital Camera	4-8
GPS	4-6
iPod	5-6

* Charge times may be increased in cloudy weather, high temperatures, or where panels are not angled towards the sun.

The substrate is an aluminum / plastic composite, specifically designed to be strong and lightweight. They can easily stand up to typical outdoor use including being dropped and leaned on.

Flexible Mounting: The panels are mounted in a flexible fabric sleeve. They articulate with the bag, which means it doesn't feel rigid or restrictive.

Even if you manage to break one, which would probably take a conscious effort, they can easily be removed and replaced.