



# SOLAR STIK™

## SHELTER PAK TECHNICAL SPECIFICATIONS

PRO-Series 12V DC ITEM # 010603  
MIL-Series 24V DC ITEM # 240007

### Applications:

The SHELTER Pak is a highly portable military-grade solar generator designed for both mobile and stationary applications where maximum power production is needed after only a short term exposure to the sun.

The principles of operation allow efficient use of pre-existing space. The SHELTER Pak can be deployed onto the roof of an existing structure, or simply deployed onto the ground.

### Powerful:

The SHELTER Pak can generate up to 2.0 kW-h of 12V DC or 24V DC electrical energy in just a few hours with good sunlight.

The Power Pak provides intuitive power management, and supply power to multiple appliances simultaneously. Power rechargeable appliances, tools, computers, tactical gear, medical devices, communications equipment, & more.

Externally mounted weatherproof DC connections provide access to power when the case is closed, such as during periods of inclement weather.

### Expandable:

The Power Pak's power storage capability can be increased by employing a Solar Stik™ Expander Pak.

Two SHELTER Paks can also be used in conjunction with one another, performing as a single system when conditions warrant.

### Versatile:

Innovative in design with, no routine maintenance required, the Power Pak is "field serviceable". Batteries can be easily and quickly replaced at the end of their service life, and the Pak can be easily tailored for a particular application by the operator using field or Solar Stik™ accessories.

### Portable:

Two-case solution, D.O.T approved for Air, Sea & Land transport

### Quality:

Built in the USA using the highest-quality materials. The Shelter Pak has a 3 year "materials and workmanship," and a 5 year "power output" warranty



### Shelter Pak Operational Features:

Heavy-duty solar generator package

Daily usable energy generation of up to 2.0 kW-h (the solar panels are capable of generating more power daily than the battery can store)

Lightweight & portable - One person can deploy the array onto the ground and be functioning in less than five minutes.

"Plug & Play" operation - The System is simple and user-friendly. No tools required for assembly.

36' power leash allows placement of Power Pak(s) well away from the solar panel location. This allows a more comfortable location for the operator and the placement of the solar panels where they can be exposed to the most sunlight.

The SHELTER Pak is virtually maintenance free.

AC or DC power is available through Power Pak DC connections. Multiple connection points can be used to support inverters or converters up to 2400 watts.



GS-07F-0079V  
CAGE CODE 4TFB8

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PRO-Series 12V DC ITEM # 010603  
MIL-Series 24V DC ITEM # 240007

### Power Pak Options:

The Patrol Pak can be purchased with either:  
12VDC Pro-Series Power Pak 100  
or  
24VDC Mil-Series Power Pak 1000

### Power Pak 100 or 1000

(See Individual Spec Sheets for Full Details):

- Custom Pelican™ 1440 case
- Extending aluminum handle and polyurethane wheels
- Twin 12 volt AGM internal batteries
- 1.0 kW-h reserve capacity
- Ruggedized construction
- 100 amp circuit breaker
- Twin DC Inter-connector ports (exterior)
- DC Terminal Post connections (interior)
- Auxiliary circuit provides up to 25 amps DC current and can be controlled through the programmable display (On/Off voltage & time parameters set by the user).
- AUX circuit can be to function as a "Low-voltage disconnect" circuit
- All Power Paks have 12 volt CLA receptacles
- Blue Sky Energy Solar Boost™ 2512ix Programmable Interface three-stage solar charge control with temperature compensation
- Operating temperatures:  
-50 °C to + 75 °C (-58 °F to +167 °F)
- Cycle Life - 700 (80% Depth of Discharge)

### Solar Panel & Cable Set Dimensions & Weight:

31.59" x 20.47" x 12.45" (80.2 x 52 x 31.6 cm)

86 lb (40 kg)

### Power Pak Dimensions & Weight:

19.7" x 12" x 18" (50 x 30.1 x 45.7 cm)

100 lb (45.4 kg)



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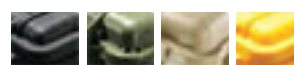


### Solar Power Specifications:

- Rated Panel Power: 380 watts
- Two PowerFilm™ 190 watt amorphous silicon solar panels
- Daily electrical energy production and battery storage:  
1.0 kW-h\* (\* average with 4 panels in 4 hours full sun)
- Daily energy usage "maximum" (assumes using all power produced during day and continued operation from battery storage at night): 2.0 kW-h
- Panel Dimensions (single): 96" x 114" (243.8 x 289.6 cm)
- Ground-securing - Includes EIGHT steel "Peg" stakes for each solar panel, mallet & stake puller, transport pouch
- Heavy-duty 36' Solar Power leash with weatherproof electrical connections
- Transports in Pelican™ 1650 case with additional storage capability



### Available case colors:



### Available panel colors:



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