



SOLAR STIK®

# Power Pak 500

12 VDC Item # 21-0101105

24 VDC Item # 21-0102204

## Overview

### Powerful

The Power Pak 500 is a portable battery and power management system that stores up to 0.45 kWh of energy. It was designed as a highly mobile and functional platform that provides 12 VDC power for a wide variety of applications.

### Durable

The Power Pak 500 is ruggedized for extreme environmental conditions and built to withstand severe impacts.

### Scalable

If additional energy storage is required, battery capacity can be increased by adding Expander Paks using Plug & Play connections.

### In the Field

The Power Pak 500's have become commonly used in the communications field. They are used extensively to power satellite communications, BGAN systems, and portable cell networks.



## Features

- 0.45 kWh of storage
- Programmable AUX circuit
- Extremely durable and weatherproof
- Simple menu controls
- Built-in flexible light
- Field serviceable
- Scalable system architecture
- Plug & Play

## Why Solar Stik?

Modular designs

Field-tested

24/7 Tech Support



\* Inverter not included, but available as an accessory



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## Case Color Options



Tan\*



Black

\* Indicates standard color

## General

Energy Storage	0.45 kWh
Battery	(2) 12 VDC Lead-acid AGM
Amp Hour	<ul style="list-style-type: none"> <li>• 38 Ah (12 VDC)</li> <li>• 19 Ah (24 VDC)</li> </ul>
Operating Voltage	<ul style="list-style-type: none"> <li>• 10.5–14.5 VDC (12 VDC)</li> <li>• 21.0–29.0 VDC (24 VDC)</li> </ul>
Cycle Life	500 (80% depth of discharge)
Controls	Blue Sky Energy Solar Boost MPPT 25 (12 VDC) or 15 (24 VDC) amp three-stage solar charge control with temperature compensation
Features	<ul style="list-style-type: none"> <li>• Programmable 12 VDC or 24 VDC auxiliary power circuit</li> <li>• 5 watt built-in flexible light with interchangeable red and clear lenses</li> </ul>
User Interface	<ul style="list-style-type: none"> <li>• LCD and push-button menu controls</li> <li>• LED battery State-of-Charge (SOC) meter</li> <li>• LED battery Cycle-Meter keeps track of the total cycles on the battery</li> </ul>
Case	Pelican 1520 case with lid organizer
Warranty	1-year materials and workmanship

## Safety

Breakers	<ul style="list-style-type: none"> <li>• 100 A master circuit breaker</li> <li>• 25 A auxiliary circuit breaker</li> <li>• Full circuit protection with resettable breakers on user interface</li> </ul>
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## Connections

	12 VDC Version	24 VDC Version
CLA	(up to 6) 12 VDC	(up to 6) 12 VDC
AUX	(1) 12 VDC	(1) 12 VDC
Post Terminal	(1) Interior 12 V post terminals with ergonomic twist knobs	(1) Interior 24 V post terminals with ergonomic twist knobs
Inter-Connect Port	(2) Exterior 12 VDC	(2) Exterior 24 VDC

## Environmental

Operating Temperature	-50 °C to +65 °C (-58 °F to +149 °F)
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## Weights and Dimensions

Dimensions	19.78 x 15.77 x 7.41 in (50.2 x 40 x 18.8 cm)
Weight	50 lb (22.7 kg)

## Includes

- (1) Power Pak 500 (12 or 24 VDC)
- (2) 3-inch ring terminal cable

