



SOLAR STIK®

Category: Storage with Management

24VDC Li Power Pak 2400

Item # 21-0202306

Power Pak-ed, Ready to Move

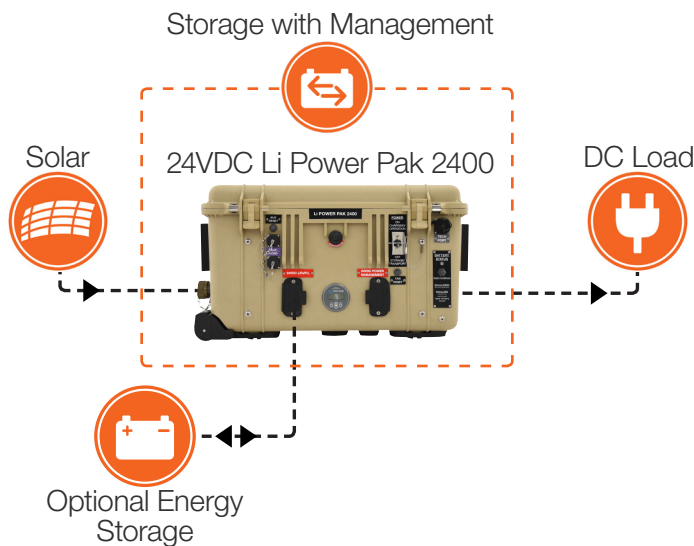
The 24VDC Li Power Pak 2400 merges maximum energy storage capacity with power management into one case while meeting shipping weight regulations for land, sea, and air cargo. The lithium iron phosphate (LiFePO₄) Power Pak stores 2.4 kWh of energy and can be connected directly to solar power generation sources.

Status Check

Each Li Power Pak 2400 is equipped with a monitoring interface that provides a visual measure of the net power current owing into and out of the Power Pak. An advanced internal battery management system (BMS) allows individual cells to perform to their maximum ability.

How a Power Pak Works

Power Paks accept 24 VDC power generation inputs (e.g., solar, wind, other) to charge. DC power loads are connected to the Power Pak. Connect additional Expander Paks using Plug & Play connections to increase energy storage capacity.



Features

- 2.4 kWh of storage
- Capable of over 3000 cycles
- LiFePO₄ chemistry
 - 100% discharged = inert
 - Transportable by land, sea, and air cargo
- Solar input port
- Ruggedized for extreme conditions
- Open architecture
- Stacks vertically with all Pelican 16XX cases
- MIL-STD-810G tested; GVT Safety Confirmation for worldwide deployment

Case Color Options

Tan	Black
	Silver
	Orange
	Yellow
	OD Green
Standard Color	Optional Colors





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General

Battery	(1) 24 VDC lithium iron phosphate (LiFePO ₄)
Operational Voltage	24.0 - 28.8 VDC
Capacity	100 Ah
Energy Storage	2400 Wh
Energy Density	46.3 Wh/kg
Max Discharge	50 A (C/2)
Self-discharge Rate	<5% per month
Cycle Life	≥ 3000 Cycles to 80% depth of discharge at STC
Solar Input	Up to 57 VDC, 450 W
User Interface	Control displays volts, current, amp-hours, state of charge, time to go
Transport Case	Pelican 1620
Transportation	Class 9 Hazardous; Cargo Aircraft Shipping UN3481 - LiFePO ₄ net weight 35 kg; Harmonized Tariff Code 8507.80.0000
Warranty	1-year limited warranty of materials and workmanship

Safety

Breaker(s)	<ul style="list-style-type: none"> • 50 A master circuit breaker supports max load and charge rate of 1200 W • 25 A AUX breaker supports auxiliary loads • 1 A thermal breaker (exhaust fan protection)
Fuse(s)	175 A UL rated

Connections

Exterior Port(s)	<ul style="list-style-type: none"> • (1) 24 VDC LiFePO₄ Inter-Connect Port* • (1) 24 VDC Power Management Inter-Connect Port* • (1) 24-57 VDC Solar Only Port • (2) 24 VDC AUX Load Port** • (1) Tech Port
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*Inter-Connect Port = Deltran 224-0061-BK

**AUX Load Port = MIL-DTL-26482 Series II MS3470W14-4P

Environmental

Operating Temperature	Optimal -4 °F to 122 °F (-20 °C to 50 °C)
Charging Temperature	Recommended 41 °F to 113 °F (5 °C to 45 °C)
Storage Temperature	-4 °F to 140 °F (-20 °C to 60 °C)

Weights and Dimensions (L x W x H)

Weight	114.0 lb (51.8 kg)
Dimensions	24.76 x 13.90 x 19.57 in (62.9 x 35.3 x 49.7 cm)

Recommended Components and Accessories



420W PAM Expedition
Item # 11-1000020



24VDC Li Expander Pak 2400
Item # 21-0202303



24VDC Li Battery Maintainer 120/230
Item # 14-10010000



24VDC Weatherproof Inverter 125
Item # 20-0002500

