

PT5 : Advanced Lithium Solar Battery by HPS



Price: CAD \$7,990.00

SKU: HPSPT5

Product Categories: [Batteries](#), [Lithium](#), [Multi-Use : 48V](#), [Residential ESS Units](#), [Shop](#)

Product Tags: [5kwh](#), [canada](#), [home battery](#), [hps](#), [hps pt5](#), [hybrid power](#), [lifepo4 battery](#), [lithium](#), [lithium battery](#), [pt5](#), [pt5 battery](#), [pt5 canada](#), [residential battery](#)

Product Page:

<https://www.modernoutpost.com/product/pt5-advanced-lithium-solar-battery-by-hps/>

Product Summary

This is the PT5. An advanced Lithium Solar Battery by HPS designed for Canadian off-grid projects. The PT5 residential solar battery was originally designed by HPS for military vehicles and has since proven itself to be the ultimate backup power

and solar system battery. No compromise: high-power BMS with low-temperature protection & built-in cell warming system, on-board status monitor display, complete battery-to-battery & battery-to-inverter communications, metal case with casters and handles. Designed & built in Canada.

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Watch the Video Here

PT5 Lithium Solar Storage Battery Benefits

BATTERY COMMUNICATION

PT5 battery communicates with other PT5 batteries in the system, and with your inverter to ensure the best performance and energy monitoring. Compatible with most advanced inverters such as [Sol-Ark](#)], [Schneider](#)], [Outback](#)],

[Power Tower](#)], and many others.

EXPANDABLE

Build the battery bank as you require. Add more storage later. Plug and play battery system allows for up to 24 PT5 Batteries in parallel. That as much as 120kWh of storage!

EASY TO READ AND USE DISPLAY



Intuitive LCD Display lets you know how much energy you have available.

The battery SOC (state of charge), and other information is available at the touch of a button.

FULL CAPACITY

Top-rated Lithium Iron Phosphate cells combined with an advanced BMS (battery management system) provide exceptional duty cycling capability. Unlike lead-acid (AGM, lead-carbon, etc) the PT5 can provide 100% of its capacity when needed.

SECURE

Transporting & handling the battery is made easy with locking casters & lifting handles. Bolt-down tabs on the case allow for wall or rack installation.

SAFETY

Lithium iron phosphate has a proven track record in some of the harshest environments including mining and transit. The fume-free batteries mean you can place the system anywhere with no dangerous fumes like traditional lead-acid. Numerous safety features are built-in including: over-voltage, under-voltage, over-current protection with a 150A CSA rated circuit breaker.

Inverter Pairing

The PT5 is an ideal energy storage battery for popular inverter platforms such as...

[Sol-Ark SMA](#) Energy Hub

[Outback](#) (Radian & FXR)

[Schneider](#) (Conext XP & SW Series)

[Victron](#) (MultiPlus & Quattro Series)

[Samlex](#) (EVO Series)

... and just about all others

PT5 Specifications in Brief

Chemistry : LiFePO4 (Lithium Iron Phosphate)

Nominal Voltage : 51.2VDC (48V systems)

Energy Capacity : 5kWh

Maximum Batteries in Parallel : 24

Cycle Performance* : **10,000 cycles**

(charging CC/CV @0.3C & discharging CC @0.3C, 70% DOD, 25°C +/-2°C)

6,000 cycles

(charging CC/CV @0.5C & discharging CC @0.5C, 100% DOD, 25°C +/-2°C)

3,500 cycles

(charging CC/CV@1C & discharging CC@1C, 100% DOD, 25°C +/-2°C)

- Greater than 70% of original battery capacity will remain at the end of this cycle life. **Operational Temperature** : -30°C to 45°C[-22°F to 113°F]

Battery Heating Operational Temperature : -30°C to 10°C[-22°F to 50°F]

Maximum Continuous Discharge Amperage : 125 A

Maximum Continuous Charge Current : 100A (60A recommended)

Circuit breaker : 150A

Weight : 46 kg [102 lbs]

Dimensions : 34cm x 29cm x 54cm [13.5in x 11.5in x 21.5]

Enclosure Material : Aluminum

Communication : CANBUS

Certifications (battery) : UL1973 (Pending), UN38.3CSA (SPE-1000) Inspected
UL9540A

Documentation Downloads [PT Battery 5 User Manual](#) [PT Battery 5 Spec Sheet](#)

Product Attributes

- Dimensions: 34 × 29 × 54 cm
- Weight: 46 kg

Product Gallery

