



PT Battery 14

The battery made for installers, by installers.

Our **PT14** Battery is our most biggest residential **solar battery**, offering portable yet powerful energy capacity. With a high discharge capacity and versatile scalability, the PT14 battery can be used for both residential and commercial projects. Equipped with **POLARSHIELD** technology, the PT14 has a built-in heating system that allows for optimal performance even in cold climates.

With the ability to daisy chain up to 24 batteries in parallel, the PT14 has intelligent battery integration ensuring the balancing and integration of each parallel pack is done automatically.



Key features



Warranty Protection:

5-year warranty on the PT14



Expandable:

Scalable battery system allows for up to 24 PT14 Batteries in parallel.



Plug & Play:

LCD Display meaning you always know how much power you have to play with.



Depth of Discharge:

Full 0-100% DOD



Easy to Move: Locking casters for easy installation that are removable for bolt down applications



Safety Features:

Numerous features to keep yourself and your home safe. Over-voltage, under-voltage, over-current protection with a 300A CSA rated circuit breaker. 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.

Contact us



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Chemistry	LiFePO4	Min Voltage	44V
Nominal Voltage	51.2VDC	Max Voltage	56VDC
Energy Capacity	14kWh	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	280A
Maximum Continuous Charge Current	280 A (140 A recommended)	Weight	90.7 kg [200 lbs]
Dimensions	39cm x 13.3cm x 61cm [15.5in x 13.3in x 24in]	Circuit breaker amperage	300A
Enclosure Material	Aluminum	Communication	CANBUS
Maximum Batteries in Parallel	24	Certifications (battery)	UL1973 (Pending) UN38.3 CSA (SPE-1000) Inspected UL9540A

Cycles

6700 cycles

(charging CC/CV @0.5C & discharging CC @0.5C, 100% DOD, 25°C +/-2°C 80% of rated capacity),

8500 cycles

(charging CC/CV @0.5C & discharging CC @0.5C, 100% DOD, 25°C +/-2°C 70% of rated capacity),

10,000 cycles

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

With

*4 Caster Wheels

** Temporary rope handles provided for installation



ATTENTION: Please note it is the customer's obligation to check local electrical requirements and certification requirements of all HPS purchased equipment to ensure they meet the local electrical code. Additional components such as AFCI protection, Conduit Caps, and fusing/breakers may be required.