

Wall-Mounted Outdoor LFP Battery



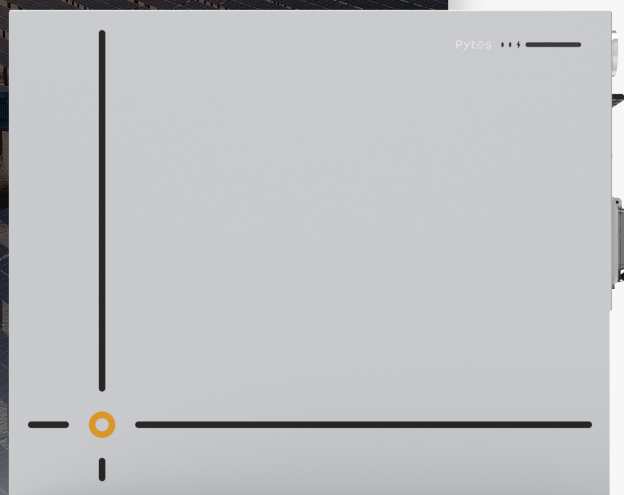
Automotive Grade Cell



Outdoor Rating



Fire Suppression



V10



Enhanced Safety

- Tier 1 automotive-grade 230Ah cells
- Built-in aerosol fire suppression system
- ESS emergency shutdown function
- Proven and mature BMS protection mechanisms



Reliable

- IP66 enclosure
- Corrosion-resistant
- Self-heating function for low-temperature operation



Easy & Flexible

- Wall mounted or floor mounted installation
- Closed-loop integration with mainstream inverters
- Remote monitoring and upgrading
- Suitable for indoor or outdoor applications



Scalable

- Expandable up to 8 units (80 kWh) in parallel without Pytes Hub
- Up to 48 units (480 kWh) in parallel with Pytes Hub

Electrical

Battery Chemistry	Lithium Iron Phosphate (LFP)
Rated Voltage	512V
Rated Capacity	230Ah
Usable Capacity	200Ah
Rated Energy	11.78kWh
Usable Energy	10.24kWh
Recommended Charge Current	100A
Recommended Discharge Current	100A
Max Continuous Discharge Current	150A (7.68kW)

General

Dimensions (LxWxH)	25.20 x 9.06 x 20.47 inch (640 x 230 x 520 mm)
Weight	217 lbs (98.6 kg)
Ingress Rating	IP66
Mounting Method ¹	Wall / Floor
Terminal	Phoenix Plug&Play DC connections
Communication Ports	CAN/RS485/RS232
Cycle Life ²	8000 cycles
Warranty ³	10 years

Heater

Rated Voltage	512V
Rated Power	200W
Control Temperature	on: $\leq 41^{\circ}\text{F}$ (5°C) off: $\geq 59^{\circ}\text{F}$ (15°C)

Environmental

Charging Temperature ⁴	14°F ~131°F (-10°C~55°C)
Discharging Temperature	-4°F ~131°F (-20°C~55°C)
Operating Altitude ⁵	9843 ft (3000 m)
Relative Humidity	0~95% non-condensing

Certification

Certifications	UL 9540(Pending), UL 9540A(Pending), UL 1973(Pending), UN 38.3
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1. Floor installation requires the additional purchase of a floor mounting bracket.

2. Operating conditions: 77°F±7°F 0.5C/0.5C 90% DOD, EOL (End of Life) 70% retained capacity.

3. Optional extended warranty: additional 2 years (available for an extra fee)

4. When the ambient temperature is between 14°F (-10°C) and 32°F (0°C), the heater will activate to warm the battery until the temperature reaches the battery charging temperature range.

5. Battery will operate at a maximum of 0.75C (150A) discharge up to 2000m, above 2000m maximum output is derated to 0.5C (100A).

