

Wall-Mounted Outdoor LFP Battery



Automotive Grade Cell



Outdoor Rating



Fire Suppression



V12



Enhanced Safety

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



Reliable

- IP66 enclosure
- C4-M corrosion resistance
- Self-heating function for low-temperature operation



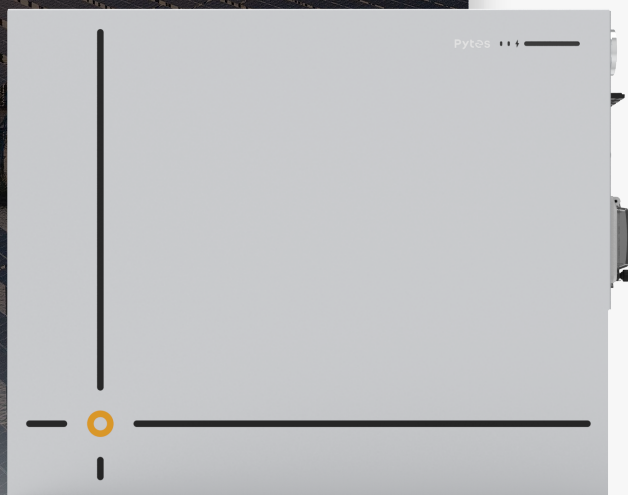
Easy & Flexible

- Wall-mounted or ground-mounted installation
- Seamless integration with mainstream inverters via closed-loop control
- Remote monitoring and upgrading
- Suitable for indoor or outdoor applications



Scalable

- Expandable up to 16 units (188.48 kWh) in parallel without a Pytes Hub



Electrical

Battery Chemistry	Lithium Iron Phosphate (LFP)
Rated Voltage	51.2 V
Rated Capacity	230 Ah
Rated Energy	11.78 kWh
Recommended Continuous Charge Current	100 A (5.12 kW)
Recommended Continuous Discharge Current	120 A (6.14 kW)
Peak Discharge Current	200 A (10.24 kW) @ 180 s

General

Dimensions (W x D x H)	27.10 ± 0.08 × 10.24 ± 0.08 × 20.47 ± 0.08 inch / 688.4 ± 2.0 × 260 ± 2.0 × 520.0 ± 2.0 mm
Weight (lb / kg)	217 / 98.4
Ingress Protection Rating	IP66
Mounting Method ¹	Wall / Ground
Terminal	Amphenol Plug & Play DC Connector
Communication Ports	CAN / RS485 / RS232 / Dry Contact / WiFi
Cycle Life ²	6000 cycles
Warranty ³	10 years

Internal Heating Film

Rated Voltage	51.2 Vdc
Rated Power	240 W
Control Temperature	On: ≤ 41 °F (5 °C) Off: ≥ 59 °F (15 °C)

Environmental

Charging Temperature ⁴	32 °F~131 °F (0 °C~55 °C)
Discharging Temperature	-4 °F~131 °F (-20 °C~55 °C)
Recommended Operating Altitude	≤ 9843 ft (3000 m)
Relative Humidity	0 ~ 95%, non-condensing

Compliance

Certifications	UL 9540 Ed.3 (2023), UL 9540A, UL 1973, UN 38.3
Listings	CEC, SGIP, OGP _e

1. Floor installation requires the additional purchase of a ground mounting bracket.

2. Operating conditions: 77 °F ± 7 °F (25 °C ± 4 °C), 0.5 C/0.5 C @ 90% DOD, ret @70% (EOL). Total throughput energy: (51.2 V×200 Ah / 1000 × 80% × 8000 / 1000)×90%=59 MWh.

3. 10 years or 6000 cycles (whichever comes first).

4. When the ambient temperature is between -0.4 °F (-18 °C) and 32 °F (0 °C), the heating film will activate to warm the battery until the temperature reaches the battery charging temperature range. External charging source (PV, grid, generator) is required for heating film operation.

