

Wall-Mounted Outdoor LFP Battery



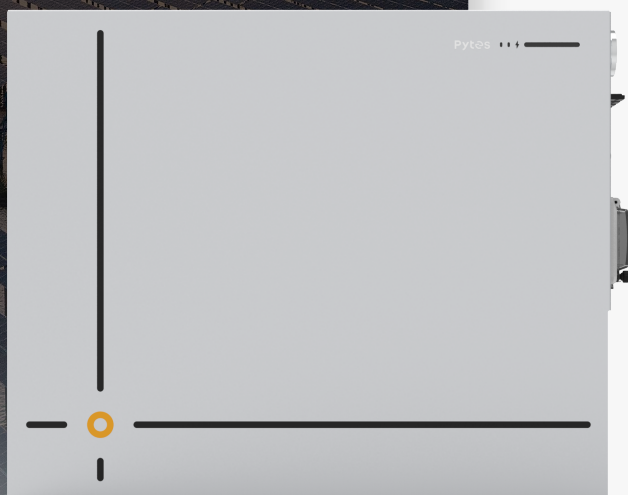
Automotive Grade Cell



Outdoor Rating



Fire Suppression



V10a



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 upgrades
- Suitable for indoor or outdoor applications



Scalable

- Expandable up to 16 units (160 kWh) in parallel without a Pytes Hub

Electrical	
Battery Chemistry	Lithium Iron Phosphate (LFP)
Rated Voltage	51.2 V
Rated Capacity	200 Ah
Rated Energy	9.98 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)	25.20 x 10.24 x 20.47 inch (640 x 260 x 520 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	8000 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

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 8000 cycles (whichever comes first). Optional 2 year warranty extension available for purchase.

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.

