

Wall-Mounted Outdoor LFP Battery



Tier 1
Automotive Grade Cell



IP66
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



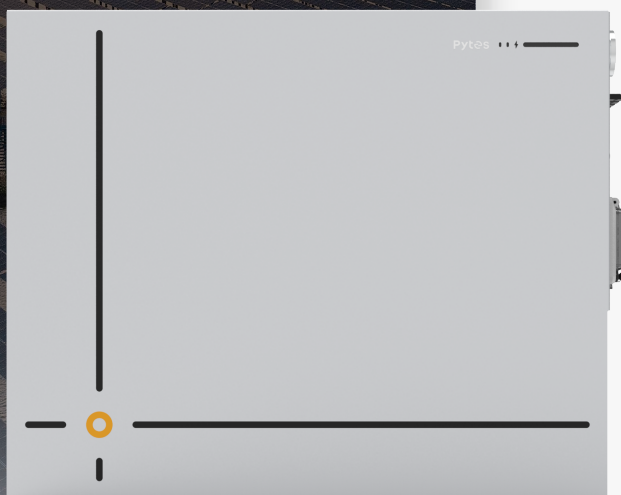
Easy & Flexible

- 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	100 A (5.12 kW)
Peak Discharge Current	200 A (10.24 kW) @ 180 s
General	
Dimensions (WxDxH)	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	Phoenix 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 Input Voltage	51.2 Vdc
Rated Power	240 W
Control Temperature	On: $\leq 41^{\circ}\text{F}$ (5°C) Off: $\geq 59^{\circ}\text{F}$ (15°C)
Environmental	
Charging Temperature ⁴	$32^{\circ}\text{F} \sim 131^{\circ}\text{F}$ ($0^{\circ}\text{C} \sim 55^{\circ}\text{C}$)
Discharging Temperature	$-4^{\circ}\text{F} \sim 131^{\circ}\text{F}$ ($-20^{\circ}\text{C} \sim 55^{\circ}\text{C}$)
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: $77^{\circ}\text{F} \pm 7^{\circ}\text{F}$ ($25^{\circ}\text{C} \pm 4^{\circ}\text{C}$), 0.5 C / 0.5 C @ 90% DOD, ret @70% (EOL). Total throughput energy: $(51.2\text{ V} \times 230\text{ Ah} / 1000 \times 80\% \times 6000 / 1000) \times 90\% = 50\text{ MWh}$.

3. 10 years or 6000 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.

