

V 12

Wall Mounted LFP Battery

Features

Enhanced Safety

- Pre-charge Circuit Integrated
- Emergency Shutdown with Battery Breaker
- Built-in Fire Fighting System (Optional)

Higher Energy Density

- Tier 1 Automotive Grade 230Ah Cells Lighter and More Compact for Given Capacity

High Power Output

- 5.12kW Nominated Output Power

The All Weather Battery

- C4-M Certified Anti-Corrosion
- IP66 Rated Water & Dust Proof
- Heating Pad Integrated

Smart

- Remote Monitoring and Upgrading

Installer Friendly

- Wall or Ground Mounted
- Effortless Installation and Quick Commissioning

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V 12 Specs

Electrical

Nominal Voltage	51.2V
Operating Voltage Range	47.5~57.6V
Nominal Capacity	230Ah
Battery Capacity in kWh	11.776kWh
Recommended Charge Current	100A(5.12kW)
Recommended Discharge Current	100A(5.12kW)
Peak Discharge Current	200A [for 180 seconds]
Rated DC Power	5.12kW
Battery Depth of Discharge	90%

General

Power Terminal	V12 PHOENIX BPC250 Quick Connector V12α Amphenol SurLok Plus 8.0mm Quick Connector
Chemistry	LFP
Structure	DC Breaker & Pre-Charge Circuit Integrated
Communication Interface	RS485 / CAN / WIFI / Dry Contact
Dimensions(L x W x H)	640 x 230 x 520mm / 25.20 x 9.06 x 20.47inch
Weight	100kg / 220.5lbs
Operating Temperature	Charge: 0~55°C / 32~131°F Discharge: -20~55°C / -4~131°F
Cycle Life	6000 Cycles [1]
Altitude	<13123.35ft / 4000m
Warranty	10 Years Basic Warranty [2]
Ingress Protection	IP66
Corrosion Resistance Class	C4-M
Mounting Method	Wall / Ground (W/ Optional Battery Tray)
Heating Pad (Integrated)	Temperature Rise: 8°C/h / 14.4°F/h

[1] Test Conditions: 25° C, 0.5C/0.5C, 90% DoD,
[2] 70% SOH at Years Warranty Activation Date

Certifications

UL 9540, UL 9540A, UL 1973, CEC, IEC62619, CE, UN38.3