

V5° / V5°α



Features



Remote Monitoring and Upgrading



Higher Charge/Discharge Rate



Wider Operation Temperature



Higher Energy Density



Greater scalability

10 Years Warranty



UN38.3



CEC SGIP

V5°/ V5°α Specs

Electrical

| | |
|--|--|
| Nominal Voltage | 51.2V |
| Voltage Range | 47.5V~57.6V |
| Nominal Capacity | 100Ah |
| Nominal Energy | 5.12kWh |
| Recommended Charge/Discharge Current ^[1] | 75A |
| Max Continuous Charge/Discharge Current ^[2] | 100A |
| Peak Charge/Discharge Current | 101A~120A(3min) ; 121A~180A(15sec) |
| Connection Options | V5°: PHOENIX M6 Bolt V5°α: Amphenol SurLok Plus 8.0mm |

[1], [2]: The recommended and Max continuous charge and discharge current is for a battery cell temperature within 10°C~40°C(50°F~104°F) to consider. It will result in a derating on current if out of the temperature range.

General

| | |
|---------------------------|--|
| Chemistry | LFP |
| Communication Protocol | CAN / RS485 |
| Dimensions (L*W*H) | 440 * 530 * 140 mm (3.2U) / 17.3 * 20.9 * 5.5 inch (3.2U) |
| Weight | 44 kg / 97 lbs |
| Ambient Temperature | -10°C~50°C/14°F~122°F |
| Round-Trip Efficiency | ≥95% |
| Cycle Life ^[3] | ≥6000cycle |
| Warranty | 10 Years |

[3]: Test conditions 0.2C Charging/Discharging, @25°C(77°F), 90% DOD.

Add-on Functionalities

| | |
|-----------------|---|
| WIFI Connection | Remote monitoring and upgrade |
| Heating Pad | Temperature Rise: 10°C/ h/18°F/h Operation Temperature: -18°C~10°C/-0.4°F~50°F |
| Scalability | 14 pcs (71.68kWh) in a group 6 groups (430.08kWh) in a system w / a Hub |

Certifications (On-going)

UL9540 Ed.2 (2020), UL9540A, UL1973, CEC, SGIP, CE, IEC62619, UN38.3

V-BOX-OC



V-Box-OC Specs

Mechanical

| | |
|--------------------|---|
| Load capacity | 4*V5°/4*V5°α |
| Structure | Busbar & DC Circuit Breaker Integrated |
| Dimensions(L*W*H) | 645 * 395 * 1395 mm / 25.4 * 15.6 * 54.9 inch |
| Weight | 88 kg / 194 lbs |
| Mount | Floor mount |
| Enclosure rating | IP55 |
| Enclosure material | SGCC(Galvanized steel) |
| Cooling | Natural convection |