V5° / V5°α

Features

- Remote Monitoring and Upgrading
- Higher Charge/Discharge Rate
- Wider Operation Temperature
- Higher Energy Density
- Greater scalability

10 Years Warranty

CE CLEAN ENERGY COUNCIL UN38.3 SGS TUV 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)

[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

Connection Options	V5°: PHOENIX M6 Bolt V5°α: Amphenol SurLok Plus 8.0mm
Chemistry	LFP
External Communication	RS485 / CAN / Dry Contact / WiFi (W/ Optional Device)
Internal Communication	RS232
Dimensions (L x W x H)	442 x 530 x 140 mm (3.2U) / 17.4 x 20.87 x 5.51 inch (3.2U)
Weight	44 kg / 97 lbs
Ambient Temperature	-10°C~50°C/14°F~122°F
Round-Trip Efficiency	⩾95%
IP rating of Enclosure	IP20
DC Breaker	No
Cycle Life [3]	⩾6000Cycles
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	16 pcs (81.92kWh) in a group 6 groups (491.52kWh) in a system w / a Hub

Certifications (On-going)

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