



V5°α Plus



Features

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

10 Years Warranty



V5°α Plus 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~200A(15sec)
Integrated Breaker	DC 125V/125A

[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

Power Terminal	Amphenol Surlok Plus 8.0mm
Chemistry	LFP
Communication Protocol	CAN / RS485
Dimensions (L x W x H)	484 x 578.2 x 140 mm (3.2U) / 19.05 x 22.76 x 5.51 inch (3.2U)
Weight	45.34 kg / 100 lbs
Ambient Temperature	-10°C~50°C/14°F~122°F
Round-Trip Efficiency	≥95%
Cycle Life ^[3]	≥6000Cycles
Warranty	10 Years

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