

# V5°α Plus



## Features



Remote Monitoring and Upgrading



Higher Charge/Discharge Rate



Wider Operation Temperature



Higher Energy Density



Greater scalability



Tripple Safe Protections

# V5°α Plus Specs

## Electrical

Nominal Voltage	51.2V
Voltage Range	47.5V~57.6V
Nominal Capacity	100Ah
Nominal Energy	5.12kWh
Usable Energy	4.61kWh
Rated Charge/	50A
Discharge Current	
Maximum Continuous Charge/	75A
Discharge Current <sup>[1]</sup> <sub>[2]</sub>	
Integrated Breaker	DC 125V/125A
Rated DC power	2.56kW
Battery Capacity in kWh	5.12kWh
Battery Depth of Discharge	90%

[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
External Communication	RS485 / CAN / Dry Contact / WiFi (W/ Optional Device)
Internal Communication	RS232
Dimensions ( L x W x H )	484±2 x 578.2 ±2x 140±2 mm (3.2U) / 19.05±0.08 x 22.76±0.08 x 5.51±0.08 inch (3.2U)
Weight	45.34 kg / 100 lbs
Battery Max and Min	Charge: 2° C ~ 57° C / 35.6° F ~134.6° F
Operating Temperature	Discharge: -18° C~57° C / -0.4° F~134.6° F
Round-Trip Efficiency	≥95%
IP rating of Enclosure	IP20
DC Breaker	Dual Pole / 125Vdc / 125Adc / Icu 10kA
Cycle Life	≥6000Cycles
Warranty <sup>[3]</sup>	10 Years <sup>[4]</sup>

[3]: @25°C,90% DoD. [4]: 70% SOH at years warranty activation date.

## Add-on Functionalities

WiFi Connection	Remote monitoring and upgrade
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, SGIP, CE, IEC62619, UN38.3

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