

# 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



UN38.3



CEC SGIP

# V5°α Plus Specs

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## Electrical

|                                                        |                                    |
|--------------------------------------------------------|------------------------------------|
| Nominal Voltage                                        | 51.2V                              |
| Voltage Range                                          | 47.5V~57.6V                        |
| Nominal Capacity                                       | 100Ah                              |
| Nominal Energy                                         | 5.12kWh                            |
| Recommended Charge/Discharge Current <sup>[1]</sup>    | 75A                                |
| Max Continuous Charge/Discharge Current <sup>[2]</sup> | 75A                                |
| 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) /<br>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 <sup>[3]</sup> | ≥6000Cycles                                                       |
| Warranty                  | 10 Years                                                          |

## Add-on Functionalities

|                 |                                                                                   |
|-----------------|-----------------------------------------------------------------------------------|
| WIFI Connection | Remote monitoring and upgrade                                                     |
| Heating Pad     | Temperature Rise: 10°C/ h/18°F/h<br>Operation Temperature: -18°C~15°C/-0.4°F~59°F |
| Scalability     | 16 pcs (81.92kWh) in a group<br>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