

V5°



## Features



Remote Monitoring and Upgrading



Higher Charge/Discharge Rate



Wider Operation Temperature



Higher Energy Density



Greater Scalability

## Compatibility List of PYTES ESS and Inverters



# V5° Specs

## 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>	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 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)	17.32*20.87*5.51 inch (3.2U)
Weight	97lbs
Ambient Temperature	14°F~122°F
Round-Trip Efficiency	≥95%
Cycle Life <sup>[3]</sup>	≥6000 cycles
Warranty	10 Years

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

## Add-on Functionalities

WiFi Connection	Remote monitoring and upgrade
Heating Pad	Temperature Rise: 18°F/h
Scalability	Operation Temperature: -0.4°F~50°F
	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

## V5° Enclosure



Brackets for V5°  
hold up 1\*V5, stack up to 4\*V5°



V-BOX-OC  
hold up 4\*V5°



V-Box-IC  
hold up 3\*V5°

**Pytes**

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