

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 ^[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 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 ^[3]	≥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 Operation Temperature: -0.4°F~50°F
Scalability	14 pcs (71.68kWh) in a group 6 groups (430.08kWh) in a system w/a Hub

Certifications

UL9540 Ed.2 (2020), UL9540A, UL1973
CEC, SGIP(On-going)

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°, stack up to 6*V5°



V-Box-IC SE
hold up 3*V5°

Pytes

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