

V5°/ V5°α



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°/ V5°α Specifications

Electrical

Nominal Voltage	51.2V
Voltage Range	47.5V~57.6V
Nominal Capacity	100Ah
Nominal Energy	5.12kWh
Recommended Charge/	75A
Discharge Current ^[1]	
Max Charge/	100A
Discharge Current ^[2]	
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)	442*530*140mm/17.40*20.87*5.51inch(3.2U)
Weight	44kg/97lbs
Ambient Temperature	-10°C~50°C/14°F~122°F
Round-Trip Efficiency	≥95%
Cycle Life ^[3]	≥6000 cycles
Warranty	10 Years
Scalability	16 pcs (81.92kWh) in a group 6 groups (491.52kWh) in a system w/a Hub

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

Add-on Features

WIFI Connection	Remote monitoring and upgrade
Heating Pad	Temperature Rise: 10°C/h / 18°F/h Operation Temperature: -18°C~10°C/-0.40°F~50°F

Certifications

UL9540 Ed.2 (2020), UL9540A, UL1973, CEC, SGIP, CE, IEC62619, UN38.3

V5°/ V5°α Enclosure



Brackets for V5°/ V5°α
hold up 1°V5°/ V5°α, stack up to 4°V5°/ V5°α



V-BOX-OC
hold up 4°V5°/ V5°α



V-Box-IC
hold up 3°V5°/ V5°α, stack up to 6°V5°/ V5°α



V-Box-NEMA 3
hold up 2°V5°/ V5°α



V-Box-IC SE
hold up 3°V5°/ V5°α

Pytes

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