

C5°



Features



Remote Monitoring and Upgrading



Higher Charge/ Discharge Rate



Wider Operation Temperature



Higher Energy Density



Greater Scalability

Inverter Compatibility List



victron energy



LUPOWER^{TEK}



C5° Specifications



Electrical

Nominal Voltage	51.2V
Voltage Range	47.5V~57.6V
Nominal Capacity	100Ah
Nominal Energy	5.12kWh
Recommended Charge/Discharge Current ^[1]	75A(3.84kW DC)
Max Charge/Discharge Current ^[2]	100A(5.12kW DC)
Peak Charge/Discharge Current	101A~120A(3min);121A~180A(15sec)

[1], [2]: The recommended and maximum charge/discharge currents apply when battery cell temperature is within 50°F ~ 104°F/10°C~40°C.

De-rated charge/discharge currents will occur if battery is operated outside of this temperature range.

General

Chemistry	LFP
Communication Protocol	CAN/RS485
Dimensions (L*W*H)	17.40*20.87*5.51 inch(3.2U)/ 424*530*140mm(3.2U)
Weight	97lbs/44kg
Operating Temperature	Charge:32°F~113°F/0°C~45°C Discharge:14°F~122°F/-10°C~50°C
Round-Trip Efficiency	≥ 95%
Cycle Life ^[3]	≥ 6000 cycles
Altitude	<13123.35ft/4000m
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/25°C, 90% DOD

Special Features

WiFi Connection (Optional)
Heating Pad (Integrated)

Remote monitoring and upgrade
Temperature Rise:18°F/h/10°C/h
Operation Temperature: -4°F~50°F/
-20°C~10°C

Certifications

UL9540 Ed.2 (2020), UL9540A, UL1973, CEC, SGIP, CE, IEC

C5° Enclosures



Brackets for C5°
1-6* C5°



V-BOX-OC
4* C5°



V-Box-IC
3-6* C5°



V-Box-NEMA 3
2* C5°



V-Box-IC se
3-6* C5°

Case Study

