



V5°α



V5°

The Pytes V5, 5.12kWh LifePo4 is the latest Solar Battery from Pytes. The V5 is our favourite rack based battery solution due to its exceptional high quality. With a capacity of 5.12kWh, this lithium iron phosphate battery offers reliable and long-lasting performance. It is ideal for off-grid or on-grid applications, backup power, and energy storage for residential or commercial use.

This solar battery features a durable and compact design, making it easy to install and maintain. The LifePo4 technology ensures a high cycle life and excellent thermal stability, providing peace of mind for users. The Pytes V5 is equipped with advanced safety features to protect against overcharging, over-discharging, and short circuits.

Overall, the Pytes V5 5.12kWh LifePo4 Solar Battery is a cost-effective and efficient solution for storing solar energy. Whether you are looking to reduce your electricity bills, increase energy independence, or simply have a reliable backup power source, this battery is a reliable choice for your solar power system.



**Smart Design**

The Pytes V5 battery has a unique stylish design with a high level of safety features built-in.



**Retrofit**

Require even more capacity? Just add another another unit. Connect the battery & data cables and your up and running.



**Double Protection**

Self developed BMS management system with dual MCU protection



**Heat Pad Protection**

Built in heat pad function, ideal for use in unheated environments or outdoor use.



**10 Year Warranty**

Supplied with a full manufacturer's warranty.



**Greater Scalability**

16 batteries (82kWh) can be connected within a group with up to 8 groups connected via a hub. Giving a overall capacity of 655kWh.

# V5° - V5°α

## SPECIFICATIONS

Nominal Voltage	51.2V
Voltage Range	47.5V ~ 57.6V
Nominal Capacity	100Ah
Nominal Energy	51.2V
Recommended Charge / Discharge	75A
Max. Continuous Charge / Discharge	100A
Peak Charge / Discharge Current	101A ~120A (3min); 121A~180A (15sec)
Connection Options	V5°: Phoenix M6 Bolt V5°α: Amphenol Surlok plus 8mm
Cycle Life	≥ 6000cycle
Ambient Temperature	-10°C~55°C
Round-Trip Efficiency	≥ 95%
Heating Pad	Around 10°C
Chemistry	LFP
Communication Protocol	CAN / RS232
Dimensions (WxDxH)	440 (485 inc Mounting bracket) x 530 x 140mm
Weight	44kg
Warranty	10 years
Scalability	16 pcs (81.92kWh) in a group 8 groups (655.36kWh in a system with hub)

## Options



V-Box-OC  
For indoor or  
Outdoor use



V-Box-IC



V-Box-NEMA 3



Stacking bracket



Wall Bracket



Wifi Dongle