

LiFePOTM BATTERY

LiFePoTM is an all new battery technology exclusively found in Swagtron branded products. LiFePoTM offers numerous advantages over traditional LiCoO₂ (Lithium Cobalt Dioxide) batteries used by other hoverboard brands. One of the biggest advantages is LiFePoTM batteries DO NOT contain proactive Lithium which cause high temperature oxidation reactions. LiFePoTM batteries also operate under more extreme conditions and a wider range of temperatures, have a longer use lifecycle, and a slower discharge rate.

SAFETY

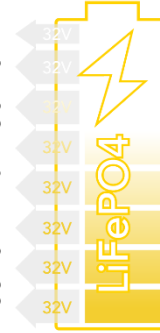


LiFePO₄ is highly resilient during oxygen loss, and harder to ignite.



Active lithium remains is the primary cause of fire.

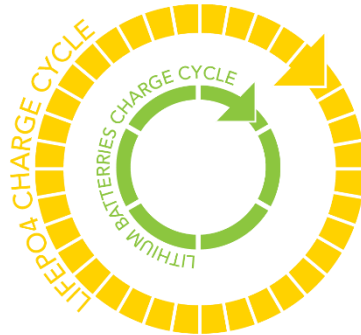
CONSTANT 32V OUTPUT



SIMPLICITY

GREATLY SIMPLIFY VOLTAGE REGULATOR

ADVANTAGES



LONGER CHARGE CYCLE

30X MORE

Up to 300,000 recharge cycles.



LiFePo™ BATTERY CELL

SAFEST EVER

Thermal Runaway

Under certain conditions, some battery chemistries are at risk of thermal runaway, leading to cell rupture or combustion. In the table, the thermal runaway of LiFePO4 is 300°C which is better than 230°C of NMC. The temperature rising during after onset temperature (240°C) is only 21°C/min. But NMC is 100+°C/min.

Cell Chemistry	Overcharge			
	Onset SOC%	Onset °C	Runaway °C	Peak °C/min
Lithium cobalt oxide	150	165	190	440
Lithium nickel manganese cobalt oxide	170	160	230	100+
Lithium iron phosphate	100	240	300	21



LiFePo™ BATTERY CELL LIMITED 5-YEAR GUARANTEE

Performance you can rely on. Durability you can trust.

We believe in the hard work and dedication of the engineers and developers for our advanced, industry-leading battery system. We are so confident, we're happy to provide a five-year battery performance protection that guarantees every LiFePo™ battery sold by us will be free of defects from the date of sale. For five years, we will repair or replace the battery and/or battery components if we find it to be defective in materials or workmanship.

How can we deliver this level of confidence in our LiFePo™ batteries? Simple. We engineered them from the ground up with an advanced battery system that monitors and safeguards internal battery cells from external stimuli. This system automatically disconnects the battery from the circuit whenever damaging conditions threaten its integrity (short circuit, reverse polarity, overheating, overcharge and over-discharge). Once disconnected, you need only recharge the battery to reset it before using. The result is battery cells that last longer with superior integrity.

**Our 5-year Battery Performance Protection:
You have it. We're sure you won't need it.**