

Solar Technology 12V 105Ah Lifos Lithium Battery

As the flagship in the Lifos range, the Lifos 105 is the only choice where maximum power, minimal weight and longest cycle life are critical. Whether used to power electric marine motors or in large RVs, off grid properties, for on location audio visual equipment power, powering emergency "blue light" equipment or in commercial applications such as road signage, the Lifos 105 provides quick charging reliable power in all circumstances.

Long Life

The Lifos 105 provides an amazing 2750 charge / discharge cycles with a 95% depth of discharge giving a usable battery capacity of 99.75Ah. To replace this a 200Ah lead acid battery would be needed but instead of weighing in at nearly 60kgs, the Lifos 105 is a featherweight 11.9kgs.

Depth of Discharge (DOD)

All batteries have a DOD. It's typical to expect a battery using lead acid and gel compounds to give a 50% DOD. This means if, for example, such a battery is rated at 100Ah, it will only provide usable power of 50Ah. LiFOS has a 90% DOD, providing 94.5Ah of usable power, which means that to replicate the available power provided by LiFOS, a +120Ah lead acid or gel battery would be needed.

Lightweight

LiFOS is a featherweight 7.8kg. When compared to a good quality 120 Ah lead acid battery at circa 34kgs, LiFOS gives an impressive 77% weight saving.

Battery Management and Communication System

LiFOS has uniquely designed hardware/software integrated into each battery which allows it to:

Operate heavy loads up to 1000w (e.g caravan motor movers)

Protect the battery from deep discharging

Enable it to be charged by any mains charger (not just a special lithium charger)

Speed up charging times, whether being charged by mains or solar

Provide users with a unique view of the charge and discharge performance of their battery on a smartphone via a simple-to-understand Android / Apple App. This free App provides extremely accurate information - generally far more so than a typical analogue battery meter. The App, once connected to a smart device, will also send users a reminder to put their LiFOS on charge once it has been discharged to 30% thus further prolonging its life.

This item can only be delivered to mainland UK.