

Part nos: LC48/5000, LC48/10000

Powering Possibilities

Combining the best lithium iron phosphate prismatic cells with our well researched and developed BMS, ensures the Lifos Core range will consistently deliver safe and stable power over many years of service.

Designed with residential and commercial energy storage applications in mind, the Core range has many additional uses including powering electric propulsion systems in marine vessels and storage for hybrid off grid generators but to name a few.



Chose Lifos and get the following advantages included:

- Only certified A grade, premium LFP cells fitted, outperforming B grade and second life battery cells by many times
- 16 x LFP prismatic cells all connected with reliable mechanical contact, no danger of an internal short circuit
- Our BMS provides a full range of system protections including: overcharge, over discharge, over current, short circuit, cell balancing, under and over temperature. Plus all the parameters effecting these conditions can be set by the installer
- Data communication system via a Bluetooth App, UART, CAN & RS485
- >98% Depth of discharge
- Fully expandable up to 6 Lifos Core all in parallel
- Compatible with virtually all hybrid inverters
- 5 Year warranty
- UK designed product with expert technical assistance only a phone call or email away.

SPECIFICATION

LIFOS CORE	LC48/5000	LC48/10000
Capacity	5.12KWh	11.77KWh
Voltage	51.2V	
Nominal voltage	48V	
Normal voltage range	46-57.6V	
Upper charge cut-off voltage	57.6V	
Discharge cut-off voltage	46V	
Maximum continuous charge and discharge current	100A	150A
Recommend Charge & discharge current	≤50A	≤75.A
Maximum continuous output power	5120W	7680W
Discharge DOD	≥98%	
Communication	UART / CAN & RS485	
Parallel connection amount	Up to 6	
Ingress protection	IP21	
Number of cycles	≤3200 @25°C @95% DOD & 1C charging / discharging	
Working temperature	Discharge: -20~65°C Charge: 0~55°C	
Net weight	43kg	82kg
Product dimension	449 x 430 x 165mm	449 x 480 x 255mm
Certification	IEC 6100 / Rohs 2011 & 2015 / UN38.3	

UN 38.3 RoHS ✓ CE UK CA 