

## 12.8V 30Ah Battery

Our 30Ah option boasts a full protective BMS with hard case and M4 brass screw terminals.

Weighing only 3.4kg, it is great for portable fishing electronics, DIY power packs and LED light systems.



### Electrical Properties

12.8V 30Ah 376.32Wh

### Cycle Life

6000 Cycles at 0.2C to 80% DoD

### Dimensions

181 × 77 × 170mm

7.13" x 3.03" x 6.69"

3.4kg (7.5lbs)

### Discharge

Optimal Current 6A (0.2C)

Max Cont. Current 40A (1C)

≤5min Max

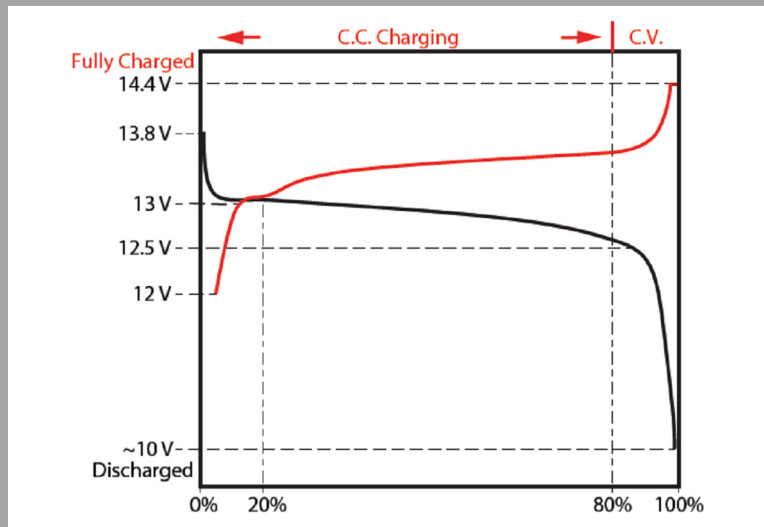
Inst. Current 60A (2C) ≤3s

### Charge

Optimal Current 6A (0.2C)

Max Cont. Current 40A (1C)

≤5min



### BMS Properties

Charge balancing. Protection for excess current voltage, short circuits.

### Terminal Connections

M4 Bolt – Brass Terminal



Waterproof



Featherweight



Shock Resistant



Supercharged



12V 30Ah

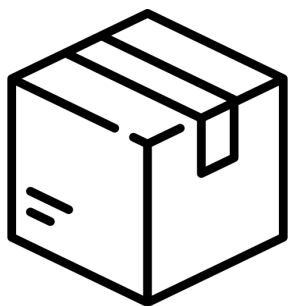
### What is the 12.8V 30Ah Battery?

Our LFP batteries come loaded with all the safety and performance features you expect from Lynac in a compact, drop-in ready package. Designed with powerful simplicity in mind so you don't have to carry any extra weight!



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# Battery Storage

70% State of Charge @13.2V - in a cool dry location.  
Disconnect all loads and sources - Verify charge level after one month.  
Can store in sub-zero temperatures if battery charge level is properly maintained.

## Charge Settings

**Absorb Voltage:** 14.0Vdc - 14.4Vdc

**Max Charge Voltage:** 14.6Vdc

**Ideal Bulk Current:** 0.2C - 0.5C (20Adc - 50Adc for a 100Ah Battery)

**Float Voltage:** 13.2Vdc - 13.6Vdc (not required)

**Tail Current:** 0.02C - 0.05C (2A - 5A for a 100Ah battery)

**Equalization:** Off (or set to Absorb Voltage)

**Temperature Compensation:** Off

**Peukert Exponent:** 1.0

**Charge Efficiency Factor:** 99%

**Basic Profile:** Constant Current - Constant Voltage (CC-CV)

## Voltage vs State of Charge

Voltage	13.9V	13.6V	13.4V	13.3V	13.2V	13.2V	13.0V	12.9V	12.8V	12.5V	12.1V	10.0V
Capacity	100%	99%	98%	90%	70%	40%	30%	20%	17%	14%	10%	0%

## IMPORTANT: BATTERY INFORMATION

- LFP batteries can be operated in sub zero Temperatures but LFP cells should not be charged below freezing-low temperature charge protection and/ or battery heating can be used to prevent damage.
- LFP batteries should not be charged directly from an Alternator without proper regulation. Batteries should always be isolated from other battery chemistries in the system.
- Parallel connected batteries can be charged using a single bank charger without added battery balancing. Battery balancers are needed when charging series connected batteries using a single bank charger. A multi bank charger can act as a balancer but only while charging to full capacity.
- Maintenance and trickle charging is not necessary for LFP batteries and can be damaging. When batteries are not in use, leave resting in a partial state of charge (approx. 60% - 80%) - charge before using.