



# 25.6V 200Ah

## Open Source - LFP Battery Technology

206Ah Prismatic Cells . 200A Rated BMS . 5120 Wh Capacity . Bluetooth Monitoring with 'Lynac Intel Plus' App . IP 65 Waterproof

BT App - Lynac Intel Plus

### Electrical Properties

25.6V 200Ah 5120Wh

### Cycle Life

6000 Cycles at 0.2C to 80% DoD

### Dimensions

Group Fit #4D

523x269x218mm

20.6" x 10.6" x 8.6"

80.5lbs (36.5kg)

### Discharge

Optimal Current 40A (0.2C) Max

Cont. Current 200A (1C) ≤5min

Max Inst. Current 600A (3C)

≤10s

### Charge

Optimal Current 40A (0.2C) Max

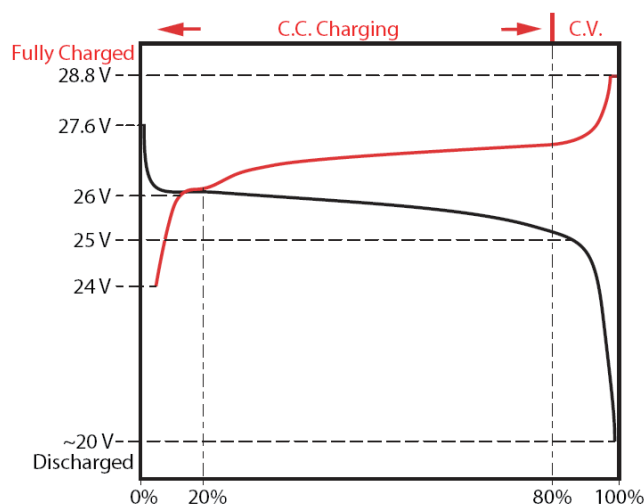
Cont. Current 200A (1C) ≤5min

### Ingress Protection

IP65

### Certifications

UN 38.3, UL1642, IEC62133



### BMS Properties

Charge Balancing, Current, Voltage, Short Circuit, Temperature, Low Temp Charge Protect Bluetooth, Software Adjustable Set Points, 'Lynac Intel Plus' App, Canbus

### Terminal Connections

M8 (5/16") Lug - Brass Bolt

### Warranty

3 Year Manufacturer with 7 Year Prorated



## What is State Series?

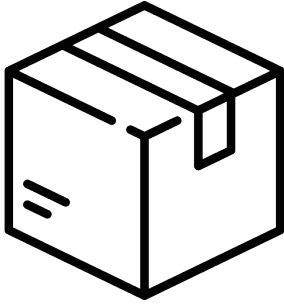
State of the Art - Open Source Battery Technology - Simple Cell Configurations and Rugged Busbar Design - Enhanced Performance - Reduced Risk of Failure or Maintenance - Removable Top Open Battery Case - Easily Update or Replace BMS Modules - Stay Ahead of the Curve with the Latest Programmable Battery Features and Software Updates - Seamless System Integration and Communication Options



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# Battery Storage

70% State of Charge @26.4V - 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:** 28.0Vdc - 28.8Vdc  
**Max Charge Voltage:** 29.2Vdc  
**Ideal Bulk Current:** 0.2C - 0.5C (20Adc - 50Adc for a 100Ah Battery)  
**Max Bulk Current:** 1C\* (100Adc for a 100Ah Battery)  
**Float Voltage:** 26.4Vdc - 27.2Vdc (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

<b>Voltage</b>	27.8V	27.2V	26.8V	26.6V	26.4V	26.2V	26V	25.8V	25.6V	25V	24.2V	20.0V
<b>Capacity</b>	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.