

12.8V 200Ah TRUE Series Battery



The big sibling of our most popular Smart Lithium (LFP) Battery, crammed with 12.8V 240Ah of True Power. This beast is wired to maximize efficiency for Off-Grid and Back-Up Power systems.

Electrical Properties

12.8V 240Ah 3072Wh

Cycle Life

6000 Cycles at 0.2C to 80% DoD

Dimensions

BCI Group Fit 4D

20.55" x 9.44" x 8.58"

(522 x 240 x 218mm)

66lbs (30kg)

Discharge

Optimal Current 48A (0.2C)

Max Cont. Current 200A (0.83C)

≤5min

Max Inst. Current 400A (1.67C)

≤5s

Charge

Optimal Current 48A (0.2C)

Max Cont. Current 200A (0.83C)

≤5min

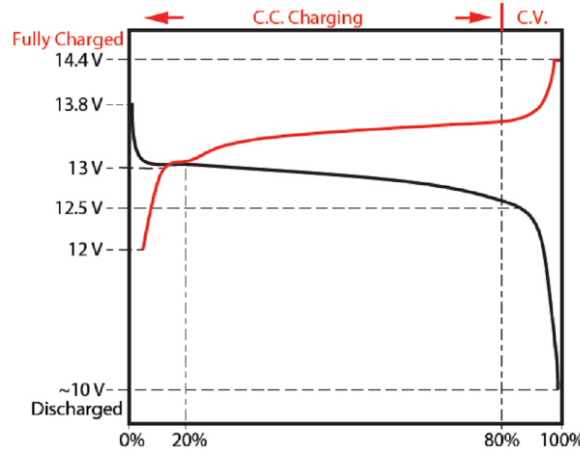
Ingress Protection

IP65

Certifications

UN 38.3, UL1642, IEC626619-3600,

3.2V26650 CB IEC62133



BMS Properties

Charge Balancing, Current, Voltage, Short Circuit, High+Low Temp Protection.

Terminal Connections

Brass M8 Screw, Torque = 28N.m = 21ft.lbs

Warranty

3 Year Manufacturer with 7 Year Prorated



Waterproof



Featherweight



Shock Resistant



Supercharged



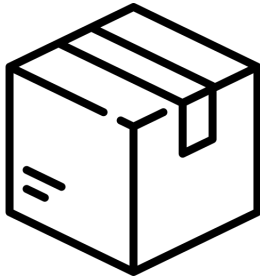
TRUE Series

What is TRUE Series?

Our True Series battery offers you the extra Power you deserve. We add an extra 20% capacity to every battery ensuring our ratings match the usable energy you can expect from a Lynac Lithium. 100 percent! In other words, our 12.8V 200Ah (2560Wh) battery is truly rated for 12.8V 240Ah (3072Wh). Since roughly 10% to 20% of the rated Power stored in all Lithium Iron Phosphate batteries is unusable, we strived to give you more for less - change the game.

Phone: 1 (877) 330-4519

Email: Sales@lynac.com



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 (20A dc - 50A dc 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.