



LT 12.8V 100Ah B - True Series

Oversized Premium Software BMS - Solid Grade A+ 26650 Cylindrical Cell Construction
- Bluetooth Monitoring - Low Temp Charge Protection - Sealed IP 65 Grp 24 Size Case
- Removable Top

Electrical Properties

12.8V 104Ah 1331Wh

Cycle Life

6000 Cycles at 0.2C to 80% DoD

Dimensions

BCI Group Fit 24

10.25" x 6.62" x 8.22"

(260*168*209mm)

26.4lbs (12kg)

Discharge

Optimal Current 20.8A (0.2C)

Max Cont. Current 104A (1C)

≤5min

Max Inst. Current 260A (2.5C)

≤5s

Charge

Optimal Current 20.8A (0.2C)

Max Cont. Current 104A (1C)

≤5min

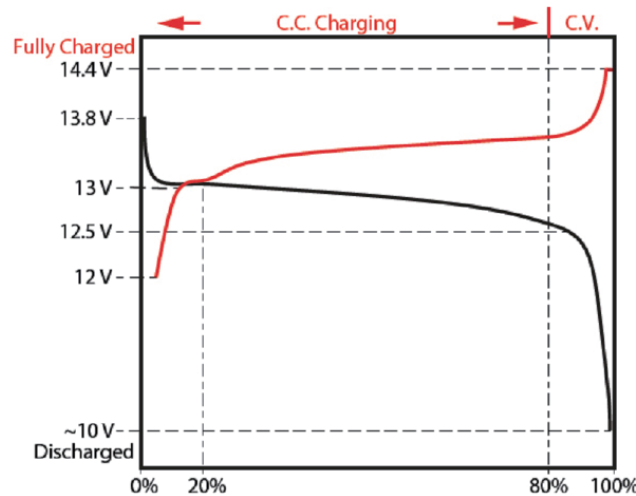
Ingress Protection

IP65

Certifications

UN 38.3, IEC626619-3600,

3.2V26650 CB IEC62133



BMS Properties

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

Terminal Connections

M8 (5/16") Lug - Brass Bolt

Warranty

3 Year Manufacturer with 7 Year Prorated



Waterproof



Featherweight



Shock Resistant



Supercharged



Bluetooth



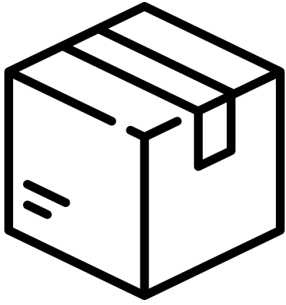
TRUE Series

What is True Series?

True Series batteries give 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 Lynac Lithium. 100 percent! In other words, our 12.8V 100Ah (1280Wh) battery is truly rated for 12.8V 104Ah (1331Wh) since roughly 20% of the rated power stored in all Lithium Iron Phosphate batteries is unusable. We strive 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 discharged in sub zero Temperatures but should not be charged - 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 but should be charged to FULL, individually, then connected at while at matched Voltages for initial balancing. A multi bank charger can balance series connected batteries during each charge.
- Maintenance and trickle charging is not necessary for LFP batteries and can be damaging over time. When batteries are not in use for long periods or in storage, leave resting at a partial state of charge (approx. 60% - 80%) - best practice is to charge just before use.