



Tiger[®]

LITHIUM

12V

TLMD12-120

MARINE DEEP CYCLE

LITHIUM IRON PHOSPHATE BATTERY



PRODUCT OVERVIEW

Purpose-built for demanding trolling motor, marine electronics and house-power applications with Bluetooth[®] monitoring and premium marine-grade construction.

5+1 LIMITED WARRANTY

5 years standard
+ 1 with registration.

SENTINEL-LNX[™] APP

Real-time monitoring
and battery control.

HIBERSTATE[™] MODE

Reduce passive
battery drain.

IP67 PROTECTION

Sealed against
water and dust.

3500+ CYCLES

Engineered for long
service life.

DEPENDABLE MARINE POWER

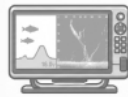
APPLICATIONS



FISHING BOATS



TROLLING MOTORS



MARINE ELECTRONICS



RV & CAMPING



SOLAR STORAGE



LIGHTING

5+1 YEAR LIMITED WARRANTY

UNMATCHED RELIABILITY. TOTAL PEACE OF MIND.

Built for dependable performance and backed by a 5+1 Year Limited Warranty and dedicated Tiger Lithium support.

TECHNICAL DASHBOARD

Quick answers to the most important questions.



ELECTRICAL

Nominal Voltage	12.8 V
Capacity	120 Ah
Energy	1536 Wh
Operating Voltage	10 V to 14.4 V
Cell Configuration	4S8P



DISCHARGE

Continuous Discharge	120 A
3 Second Discharge	240 A
10 Second Discharge	126 A
Discharge Temperature	-4°F to 140°F (-20°C to 60°C)



CHARGING

Recommended Charge	15 A
Maximum Charge	60 A
Recommended Voltage	14.4V ±0.2V
Charge Temperature	32°F to 131°F (0°C to 55°C)



PHYSICAL

Weight	29 lb (13.2 kg)
Terminal Type	M8 Female
Terminal Sets	One
Case Material	Polycarbonate & ABS
State of Charge (SOC) Meter	Yes
Dimensions	12 x 6.8 x 8.9 in 306 x 173 x 225 mm



BATTERY PROTECTION

Over-Charge	Protected
Over-Discharge	Protected
Over-Current	Protected
Short-Circuit	Protected
High Temperature	Protected
Low Temperature	Protected
Cell Balancing	Automatic



KEY ADVANTAGES

- ✓ Purpose-built for demanding deep-cycle applications
- ✓ Extended runtime for longer days on the water
- ✓ Premium marine construction built for harsh environments
- ✓ Monitor battery status and performance with Sentinel-LNX[™]
- ✓ Automotive-grade LiFePO₄ cells engineered for long service life
- ✓ Hiberstate[™] dramatically reduces self-discharge during storage
- ✓ Integrated Smart BMS continuously protects battery operation



PRODUCT NOTES

Direct alternator charging is not supported.
Register within 90 days to receive the additional warranty year.
Refer to the User Manual before installation.



SUPPORTED CONFIGURATIONS

Series	Up to 4 Batteries (48 V)
Parallel	Up to 4 Batteries (480 Ah)

Use identical batteries of the same model, capacity, age, and state of charge.



CERTIFICATIONS

UL 1642 (CELLS) • IFT NYTIDB26-016691 • UN38.3 • FCC • RoHS • CE



TIGERLITHIUM.COM

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RESOURCES: tigerlithium.com/resources

Specifications and product information are subject to change without notice.