



Tiger
LITHIUM

24V

TLMD24-090

MARINE DEEP CYCLE

LITHIUM IRON PHOSPHATE BATTERY



PRODUCT OVERVIEW

Purpose-built for high-power 24V trolling motors, marine electronics, RV power systems, DC applications refrigeration and air conditioning. Built 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

Reduces passive
battery drain.

IP67 PROTECTION

Sealed against
water and dust.

3500+ CYCLES

Engineered for long
service life.

POWER FOR
HEAVY LOADS

APPLICATIONS



FISHING BOATS



24V TROLLING MOTORS



MARINE ELECTRONICS



RV & OVERLAND



AIR CONDITIONING



DC REFRIGERATION

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	25.6 V
Capacity	90 Ah
Energy	2304 Wh
Operating Voltage	20 V to 28.8 V
Cell Configuration	8S6P



DISCHARGE

Continuous Discharge	117 A
3 Second Discharge	270 A
10 Second Discharge	216 A
Discharge Temperature	-4°F to 140°F (-20°C to 60°C)



CHARGING

Recommended Charge	15 A
Maximum Charge	45 A
Recommended Voltage	28.8 V ± 0.2 V
Charge Temperature	32°F to 131°F (0°C to 55°C)



PHYSICAL

Weight	39.68 lb (17.9 kg)
Terminal Type	M8 Female
Terminal Sets	One
Case Material	Polycarbonate & ABS
State of Charge (SOC) Meter	Yes
Dimensions	13 x 6.8 x 8.9 in 330 x 173 x 236 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

- ✓ Delivers exceptional continuous power for demanding 24V systems
- ✓ Ideal for high-thrust trolling motors
- ✓ Excellent for inverters, refrigerators, and air conditioning
- ✓ Premium marine-grade construction
- ✓ Sentinel-LNX™ Bluetooth® monitoring
- ✓ Hiberstate™ dramatically reduces self-discharge during storage
- ✓ Integrated Smart BMS continuously protects battery operation



PRODUCT NOTES

Verify the input voltage range of all connected equipment before installation.

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 2 Batteries (48 V)
Parallel	Up to 4 Batteries (360 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.