



Tiger[®]

LITHIUM

TLMD16-135

MARINE ELECTRONICS

LITHIUM IRON PHOSPHATE BATTERY



PRODUCT OVERVIEW

Purpose-built to power 16V-compatible sonar units, sonar modules, GPS displays, multi-function displays, and LED lighting with premium LiFePO₄ performance, Bluetooth[®] monitoring, and rugged marine-grade construction.

5+1 LIMITED WARRANTY

5 years standard
+ 1 with registration.

CLEAN SONAR POWER

Optimize sonar rated
for 16V operation.

HIBERSTATE™ MODE

Reduces passive
battery drain.

IP67 PROTECTION

Sealed against
water and dust.

SENTINEL-LNX™ APP

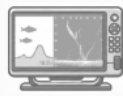
Real-time monitoring
and battery control.

CLEAN POWER FOR MARINE ELECTRONICS

APPLICATIONS



BASS BOATS



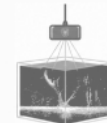
SONAR / FISH FINDER



SONAR MODULE



GPS / MFD



LIVE IMAGING



LED 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	16 V
Capacity	135 Ah
Energy	2160 Wh
Operating Voltage	12.5 V to 17.75 V
Cell Configuration	5S9P



DISCHARGE

Continuous Discharge	135 A
3 Second Discharge	270 A
10 Second Discharge	162 A
Discharge Temperature	-4°F to 140°F (-20°C to 60°C)



CHARGING

Recommended Charge	15 A
Maximum Charge	67.5 A
Recommended Voltage	17.75 V ±0.2V
Charge Temperature	32°F to 131°F (0°C to 55°C)



PHYSICAL

Weight	38.4 lb (17.4 kg)
Terminal Type	M8 & M5 Female
Terminal Sets	Two (One Each Size)
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

- ✓ Optimized for 16V marine electronics
- ✓ Higher operating voltage reduces amp draw
- ✓ Improved sonar performance under heavy electrical loads
- ✓ Premium marine-grade construction for harsh environments
- ✓ Bluetooth[™] monitoring with Sentinel-LNX[™]
- ✓ Hiberstate[™] dramatically reduces self-discharge during storage



PRODUCT NOTES

Verify the input voltage range of every connected device 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 3 Batteries (48 V)
Parallel	Up to 4 Batteries (540 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.