



Tiger
LITHIUM

1-BANK
TLMC1B24T

AC ON-BOARD

24V CHARGER



PRODUCT OVERVIEW

A fully potted 1-bank charger offering 10A output to quickly and efficiently charge a 24V lithium battery requiring a 28.8V charging profile. Lithium battery wake functionality and comprehensive safety protections deliver dependable charging in demanding marine environments.

2 YEAR LIMITED WARRANTY

Reliable coverage for lasting confidence.

10A CHARGING OUTPUT

Fast & efficient 10A charging.

LITHIUM WAKE FUNCTION

Wake deeply discharged lithium batteries.

TIGER LITHIUM™ OPTIMIZED

Maximize Tiger Lithium™ battery performance.

IP67 PROTECTION

Fully potted for demanding environments.

COMPACT & POWERFUL 24V PERFORMANCE

APPLICATIONS



BASS BOATS



INSHORE BOATS



OFFSHORE BOATS



YACHTS



OVERLAND & RV

2-YEAR LIMITED WARRANTY

UNMATCHED RELIABILITY. TOTAL PEACE OF MIND.

Built for dependable charging and backed by Tiger Lithium support for lasting peace of mind.

TECHNICAL DASHBOARD

Quick answers to the most important questions.



ELECTRICAL

AC Input Voltage	AC 105-125V, 60 Hz
Power Cord Plug	3-Prong Grounded
Power Cord Length	5 ft / 1.52 m
Charging Leads Length	6 ft / 1.83 m
Output Ring Terminals	5/16 in / 8mm



CHARGING PROFILES

24V Lithium	28.8 V +0.2V Peak Voltage
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CHARGING

Bank 1	24V Lithium @ 10A
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PHYSICAL

Weight	12.1 lb (5.5 kg)
Case Material	Cast Aluminum
Ingress Protection	IP67
Cooling Fan	Thermostat-Controlled
Dimensions	9.5 x 7.5 x 4 in 241 x 190 x 102 mm



CHARGER PROTECTION

Battery Detection	Automatic
Reverse-Polarity Protection	Integrated
Over-Temp Protection	Automatic
Short-Circuit Protection	Integrated
Over-Voltage Protection	Automatic
No-Load Output	Disabled



KEY ADVANTAGES

- ✓ Charges a single 24V Lithium battery
- ✓ 10A maximum charging output per bank
- ✓ Fully potted for protection against moisture and vibration
- ✓ Lithium battery wake functionality
- ✓ Safe battery detection before charging begins
- ✓ Integrated thermostat-controlled cooling fan
- ✓ Pre-installed ATM inline fuse holder and fuse



PRODUCT NOTES

The charger offers an optimized charging profile for 24V batteries requiring a 28.8V peak charge voltage.

Compatible with Tiger Lithium batteries and other lithium batteries requiring the specified charging voltage.

Includes pre-installed output leads, ring terminals, ATM inline fuse holders, and fuses.

Refer to the User Manual before installation.



SUPPORTED BATTERIES

Bank 1	(Qty. 1) 24V Lithium Battery
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Confirm battery-charger voltage compatibility before use.



CERTIFICATIONS

NOM NYCE • RoHS • CE



TIGERLITHIUM.COM

PH. (972) 698-4437

RESOURCES: tigerlithium.com/resources

Specifications and product information are subject to change without notice.