



Tiger
LITHIUM

48V

TLGC48-105

GOLF CART / LSV

LITHIUM IRON PHOSPHATE BATTERY



PRODUCT OVERVIEW

Purpose-built for golf carts, lifted LSVs, utility vehicles, and off-grid energy storage. High-current output, CAN communication, and premium automotive-grade construction deliver dependable performance in demanding applications.

10 YEAR WARRANTY

Extended coverage you can count on.

CAN COMMS

CAN communication for smart charging.

REMOTE WAKE

Remote wake via included key switch.

COMPLETE SYSTEM

Charger, DC converter, gauge, and hardware.

HIGH OUTPUT

Exceptional power for steep grades.

POWER FOR
THE LONG HAUL

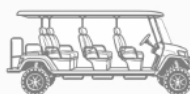
APPLICATIONS



GOLF CARTS



UTILITY VEHICLE (UTV)



6 PASSENGER LSV



OVERLAND & RV



OFF-GRID SOLAR

10 YEAR LIMITED WARRANTY

UNMATCHED RELIABILITY. TOTAL PEACE OF MIND.

Built for dependable performance and backed by a 10 Year Limited Warranty and dedicated Tiger Lithium support.

TECHNICAL DASHBOARD

Quick answers to the most important questions.



ELECTRICAL

Nominal Voltage	51.2 V
Capacity	105 Ah
Energy	5376 Wh
Operating Voltage	40 V to 58.4 V
Cell Configuration	16S7P



DISCHARGE

Continuous Discharge	200 A
3 Second Discharge	700 A
30 Second Discharge	350 A
240 Second (4 mins) Discharge	300 A
300 Second (6 mins) Discharge	250 A
Discharge Temperature	-4°F to 140°F (-20°C to 60°C)



CHARGING

Recommended Charge	15 A
Maximum Charge	25.5 A
Recommended Voltage	56.8 V ±0.2 V
Charge Temperature	37°F to 131°F (3°C to 55°C)



PHYSICAL

Weight	132 lb (60 kg)
Terminal Type	M8 Female
Terminal Sets	One
Case Material	Steel
Remote Wake Switch	Yes
Dimensions	23.2 x 11.3 x 10.5 in 590 x 288 x 266 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

- ✓ Complete installation kit included
- ✓ Exceptional power for steep grades and heavy loads
- ✓ High continuous and peak current output
- ✓ CAN-enabled smart charging and communication
- ✓ Premium automotive-grade LiFePO₄ cells
- ✓ Smart BMS continuously protects battery operation
- ✓ Ideal for golf carts, LSVs, and utility vehicles



PRODUCT NOTES

Includes 15A CAN charger, DC converter, dash gauge, and remote wake switch.

Parallel operation supports up to two batteries. Serial operation is not supported.

IP67 Ingress Protection

Refer to the User Manual before installation.



SUPPORTED CONFIGURATIONS

Series	Not Supported
Parallel	Up to 2 Batteries (210 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.