



**Tiger**  
LITHIUM

12V

**TLMS12-120**

MARINE STARTING

LITHIUM IRON PHOSPHATE BATTERY



## PRODUCT OVERVIEW

Engineered for dependable starting power in today's high-output outboards with direct alternator charging, Tiger Rescue Reserve™, Bluetooth® monitoring, and premium marine-grade construction.

### 5+1 LIMITED WARRANTY

5 years standard  
+ 1 with registration.

### ALTERNATOR CHARGING

Up to 60A continuous  
charge current.

### TIGER RESCUE RESERVE™

Emergency reserve  
starting power.

### TRIPLE TERMINALS

Clean & organized  
installs.

### 800 CCA POWER

Effortless  
outboard starting.

READY TO START  
READY TO EXPLORE

## APPLICATIONS



OUTBOARD STARTING



BASS BOATS



BAY BOATS



OFFSHORE BOATS



MARINE ELECTRONICS



HOUSE LOADS

## 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                            |
| 10 Second Discharge   | 800 A                            |
| Cold Cranking Amps    | 800 A @ 10°C                     |
| Discharge Temperature | -4°F to 140°F<br>(-20°C to 60°C) |



### CHARGING

|                            |                                |
|----------------------------|--------------------------------|
| Recommended Charge Current | 15 A                           |
| Maximum Charge Current     | 60 A                           |
| AC Charger Voltage         | 14.4 V ± 0.2 V                 |
| Alternator Voltage         | 14.5 V ± 0.3 V                 |
| Charge Cutoff Voltage      | 15.4 V                         |
| Charge Temperature         | 32°F to 131°F<br>(0°C to 55°C) |



### PHYSICAL

|                             |                                           |
|-----------------------------|-------------------------------------------|
| Weight                      | 37.3 lb (16.9 kg)                         |
| Terminal Type               | M8 Female                                 |
| Terminal Sets               | Three                                     |
| Case Material               | Polycarbonate & ABS                       |
| State of Charge (SOC) Meter | Yes                                       |
| Dimensions                  | 13.0 × 6.8 × 9.3 in<br>330 × 173 × 235 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

- ✓ Direct alternator charging—no DC-to-DC charger required
- ✓ Tiger Rescue Reserve™ preserves emergency starting power
- ✓ Triple terminal sets simplify accessory wiring
- ✓ Premium marine construction built for harsh environments
- ✓ Automotive-grade LiFePO<sub>4</sub> cells engineered for long service life
- ✓ Hiberstate™ dramatically reduces self-discharge during storage
- ✓ Bluetooth™ monitoring with Sentinel-LNX™



### PRODUCT NOTES

Compatible with outboards up to 60 A continuous alternator output. Recommended alternator charging voltage: 14.5 V ± 0.3 V. BMS controlled charge cutoff protection activates at 15.4 V. Register within 90 days to receive the additional warranty year. IP67 Ingress Protection. 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.