



12.8V 42Ah 538Wh – High-Performance Motorsport

Designed for Track Vehicle and similar high-performance vehicles



FEATURES:

LiFePO₄ | Voltage: 12.8V | Capacity: 42Ah | Energy: 538Wh
Certified for Motorsports Use | Race-Grade Discharge Handling
Teviot Technology presents a track-grade LiFePO₄ battery pack engineered for demanding motorsport applications. Developed to exceed race-day electrical demands, this system supports alternators up to 250A @ 14.4V, enabling reliable power delivery under extreme thermal and electrical conditions.

Performance, Efficiency & Safety

- Race-Grade Output: 250A continuous discharge with peak up to 400A for 5s
- High-Efficiency Cells: Advanced 26650 high-discharge cells (UL/IEC certified)
- Lightweight Yet Powerful
- Supports diagnostics, SOC, temperature, voltage, current



Mechanical Specifications

Parameter	Value
Dimensions (L × W × H)	195 × 130 × 185 mm
Terminal Type	M6 x 1.25 x 12 mm
Terminal Torque	80–100 in-lbs (9–11 N·m)
Enclosure Material	ABS
Protection Rating	IP67 standard

Electrical & Thermal Specifications

Category	Min	Typ	Max
Voltage Range	10.0V	12.8V	14.6V
Charge Voltage	14.2V	14.4V	14.6V
Charge Current		50A	60A
Continuous Discharge Current		250A	
Peak Discharge Current (5s)		400A	
Quiescent Current (active)			15mA
Quiescent Current (sleep)			500μA