LiTiO™

Lithium Titanate Power

20,000+ Cycles • 10+ Year Life • 1,000 Amp CCA

DyoCense
Extend Battery Life

EXTREME LIFE. EXTREME SAFETY.
BUILT FOR REAL-WORLD DEMANDS.

Power engineered for:
- Heavy-duty trucking
- Industrial equipment
- Fleet & commercial vehicles



Built using Toshiba SCiB® Lithium Titanate technology for unmatched durability and reliability.

LONG LIFE PERFORMANCE

- Safe at low state of charge
- Automatic shutdown at low SOC
- Maintains reserve power for engine starting
- Reduced battery degradation
- Designed to tolerate real-world operational abuse

SMART PROTECTION & RELIABILITY

- Proven 20,000+ deep charge cycles
- 10+ year service life in demanding duty cycles
- Partial state-of-charge operation friendly
- Unmatched low temperature operation

INDUSTRY-LEADING SAFETY

- Stable lithium titanate chemistry
- Nail-penetration safe
- Crush and puncture tolerant
- Short-circuit safe
- No flame, no thermal runaway
- No explosive venting
- No special heating or cooling required

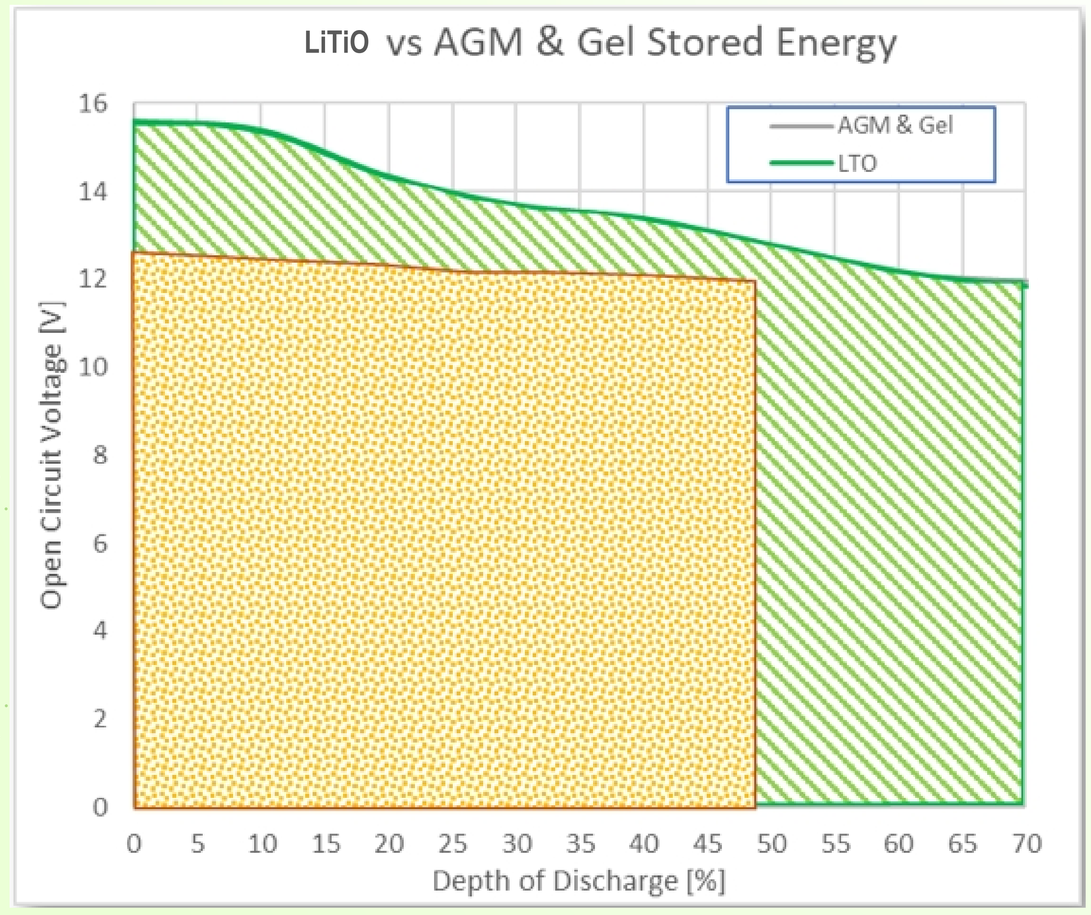


WHY LITIO™ OVER AGM?

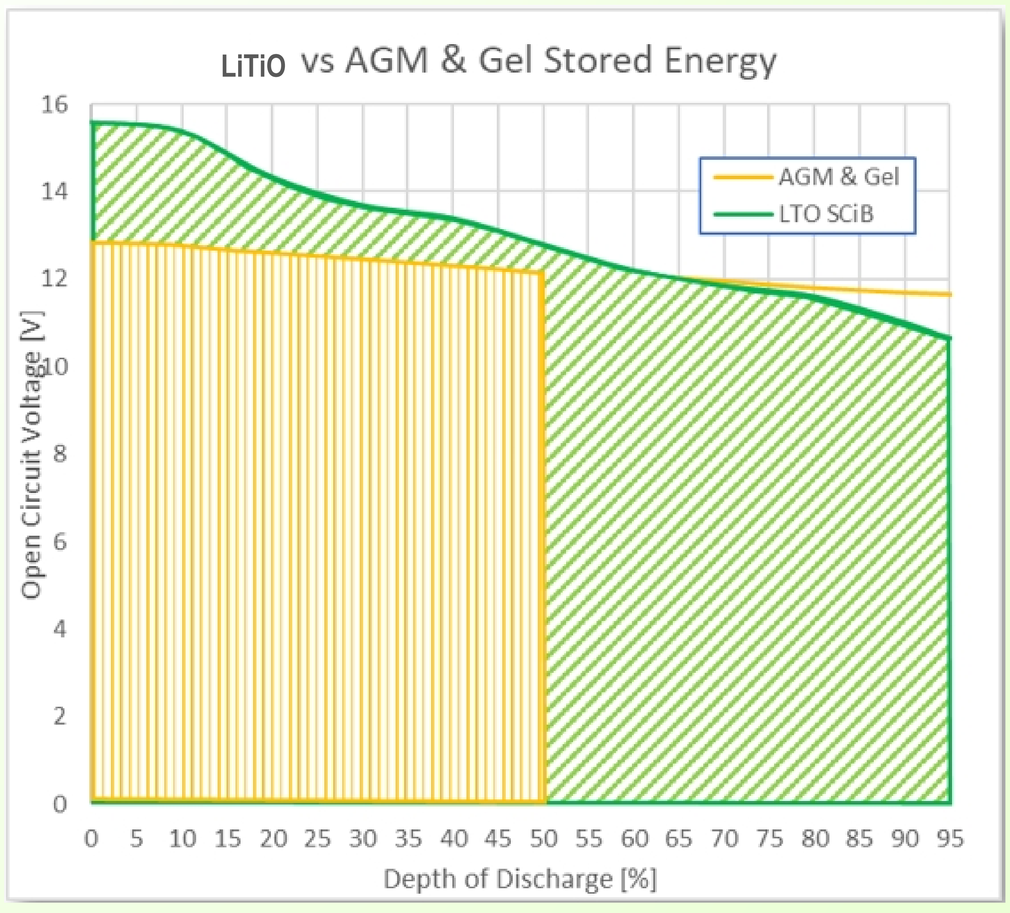
- ✔ 100x Cycle Life
- ✔ Faster Recharge
- ✔ Better Cold Starts
- ✔ Longer Fleet ROI
- ✔ No Sulfation
- ✔ 197 Lbs lighter per truck set

- Engineered for Reliability
- Safety
- Long Service Life

LITIO™ LIFETIME OPERATION TRUCK STARTING BATTERY



LiTiO provides 35% more energy storage compared to AGM discharged to 50%.
Three LiTiO batteries = 4 AGM



LiTiO can provide 100 % more energy storage compared to AGM discharged to 50% but no safety margin in this case.
Two LiTiO batteries = 4 AGM

DyoCense
Extend Battery Life

LiTiO™ Lifetime Operation Truck Starting Battery

Cell type	Lithium Titanium Oxide
Rated capacity	100 A-h
Rated Energy	1.38 kWh
Rated voltage	13.8 VDC
Charging voltage	15.5 VDC
Recommended charging current Input Terminal	50 to 100 A
Maximum charging current Input terminal	300 A
Continuous discharge current	300 A
Maximum discharge current (pass SAE 537, 950 CCA, -18C, 30 seconds maintain above 7.2V)	1,000 A
Internal Resistance (Max Charge)	2.1 mOhm
Internal Resistance (Max Discharge)	2.2 mOhm
Protection voltage (LVD discharge)	10.8 VDC (settable)
Cell operating temperature (charging)	-22 to 140 °F (-30~60°C)
Cell operating temperature (discharging)	-22 to 150 °F (-30~65°C)
Storage temperature range (<1 month)	-22 to 140 °F (-30~60°C)
Storage temperature range (<6 months)	-22 to 125 °F (-30~50°C)
Operating humidity range	10%~90% RH
Max Self Discharge (%/month)	3% Max
Case Dimensions (Group 31)	13.9" X 6.8" X 10" (355 X 173 X 254 mm)
Weight (Max)	38 lbs (17.3kg)
IP protection (Min)	IP66
Certifications	Pending
Shipping class	UN3480, 38.3
Battery Management System	Safety, Memory, Communication, Control
Communications	CAN J1939 | Bluetooth App
Electronic Components	Automotive AEC Q100-Grade 2 (-40 to 105°C)
RoHS	No Lead or prohibited metals
Cycle life	>20,000 (0.5C charge and discharge)
Calendar Life (design life)	10 years
Warranty	5 years
Terminal Screws	3/8"-16 TPI