

Lithium Titanate Power

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

**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.

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

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

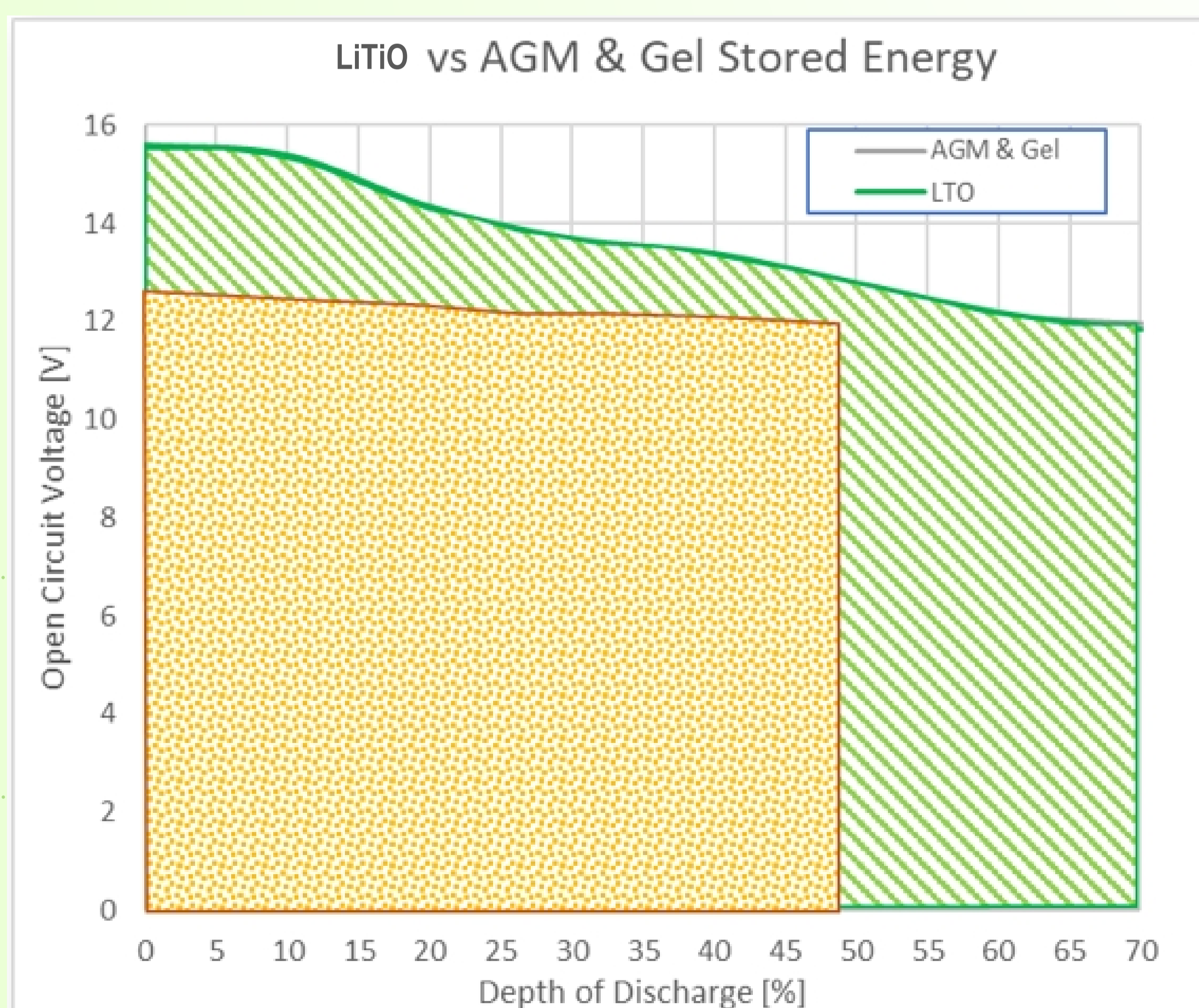


WHY LITIO™ OVER AGM?

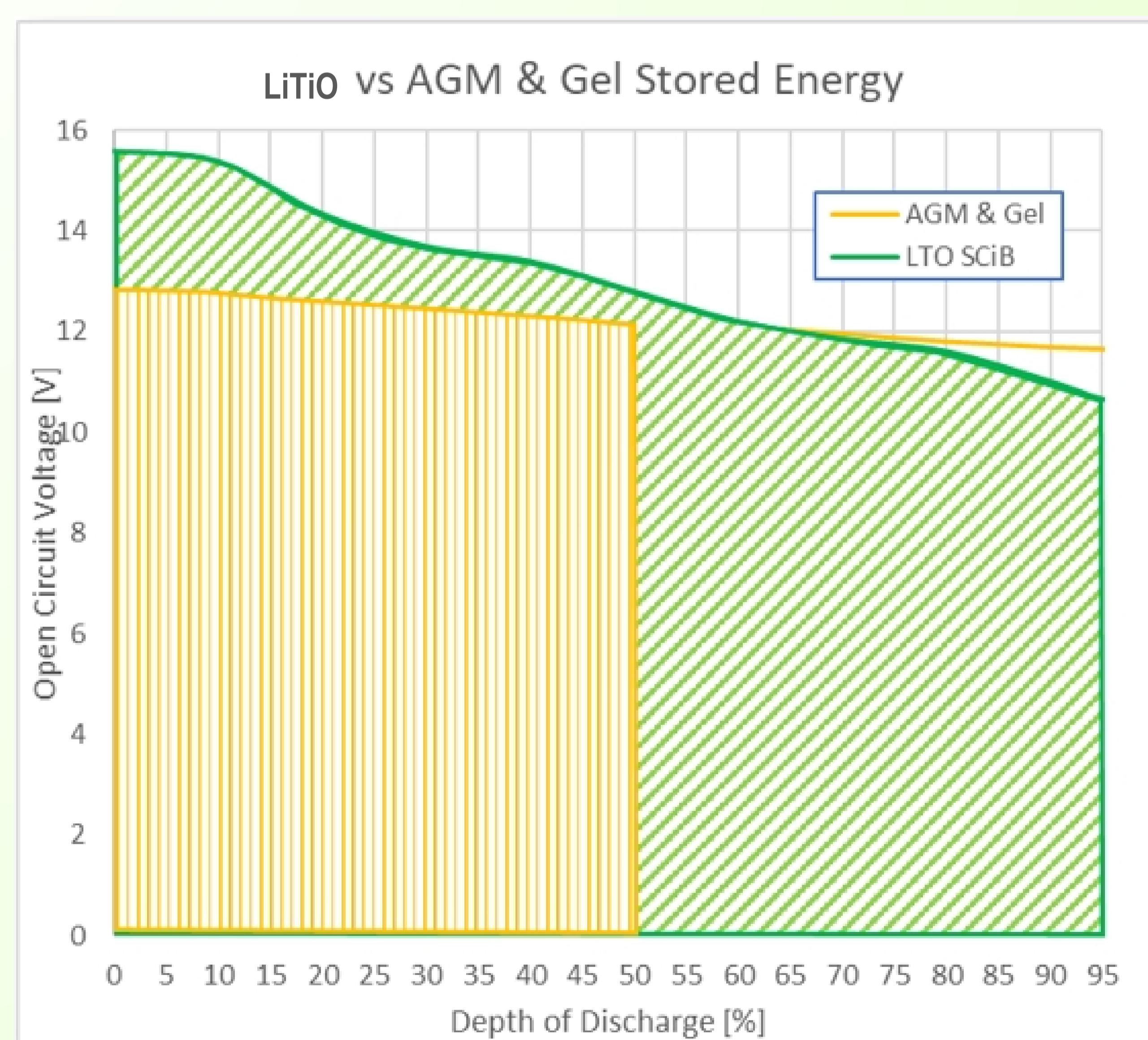
- ✓ 100x Cycle Life
- ✓ Better Cold Starts
- ✓ No Sulfation
- ✓ Faster Recharge
- ✓ Longer Fleet ROI
- ✓ Weight 197 Lbs less than AGM

- 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



LiTiO™ Lifetime Operation Truck Starting Battery

Cell type	Lithium Titanium Oxide	
Rated capacity goal	100 A-h	
Rated Energy goal	1,380 kW-h	
Rated voltage goal	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 goal (Max)	38 lbs (17.3kg)	
IP protection (Min)	IP66	
Certifications	UL XXXX	
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)	
Calander Life (design life)	10 years	
Warranty	5 years	
Terminal Screws	3/8"-16 TPI	