LIFTCORE LFP™

Dyocense
Extend Battery Life

Dedicated Lift Gate Power System
For Last-Mile & Fleet Trucks & Trailers

High-Current • Fast Actuation • 3,000+ Cycles • Zero Parasitic Drain

Engineered for Lift Gate Performance

- Supports high current lift gate operation
- Rated for 3,000 deep discharge cycles
- Partial charge operation does not reduce battery life
- Higher average voltage than AGM — faster lift movement

Flexible Charging

- Solar charging compatible with built in MPPT controller
- Charges at 20 amps from 7-pin connector
- Charges at 40 amps from direct truck connection

Smart Truck Integration

- Supports Jumpstart of truck starter batteries
- Parallel connection ready for heavy-duty fleets
- Auto-isolates when engine is OFF



BUILT FOR LAST-MILE RELIABILITY

UPGRADE YOUR LIFT GATE POWER TODAY



Dyocense Inc.
dyocense.us

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LiftCore™ Lift Gate Battery	
Cell type	$LiFePO_4$
Rated capacity	100 A-h
Rated Energy	1.28 kWh
Rated voltage	12.8 VDC
Charging voltage	10.5 – 14.6 VDC
Recommended charging current Input Terminal	20 to 40A (configurable)
Maximum charging current Input terminal	100 A
MPPT Charging I/O Terminal	24 to 50 V, 300 W max
Continuous discharge current Load Connection	200 A
Maximum discharge current Load Connection	300 A (5 minutes)
Protection voltage of discharge	10 VDC (configurable)
Cell operating temperature (charging)	-5°F to 140°F (-20～60°C, Auto heating below 0°C)
Cell operating temperature (discharging)	-5 to 140°F (-20～60°C)
Storage temperature range (<1 month)	-5 to 140°F (-20～+60°C)
Storage temperature range (<6 months)	15 to 115°F (-10～+45°C)
Operating humidity range	10%~90% RH
Max Self Discharge (%/month)	3% Max
Dimensions	13” x 10.75” x 6.8” (330 x 273 x 173 mm)
Weight	38 lbs (17.3kg)
IP protection	IP66
Shipping class	UN3480, UN38.3
Battery Management System	Safety, memory, communication, control
Communications	CAN J1939, Bluetooth
Electronic Components	Automotive AEC Q100-Grade 2 -40 to 220°F (-40°C to 105°C)
RoHS	No Lead or prohibited metals
Cycle life	>3000
Terminal Screws	M8