LUMINOR LEADER TECHNOLOGY

EV GEL Range

LDCG6-310E

Specification

Nominal Voltage		6V
Rated Capacity (25 ℃)	20 Hour Rate (15.0A to 10. 5V)	310Ah
	10 Hour Rate (26.7A to 10.5V)	267Ah
	5 Hour Rate (47.9A to 10.5V)	240Ah
Reserve Capacity	@73.6A	180 Minutes
	@178A	60 Minutes
Dimensions	Length	295 mm
	Width	178 mm
	Height	345 mm
Weight		42.5kg (93.5lbs)

Characteristics

Capacity Affected by Temperature (20 HR)			Self Discharge 25℃ (77°F)	Max.Discharge Current @5 seconds @25℃ (77°F)	Charging Voltage @25℃ (77°F)		Container Material
0℃(32°F)	25℃ (77°F)	40℃ (104°F)			Cycle	Float	
85%	100%	102%	< 2%/month	2400A	7.20-7.35V	6.80-6.90V	ABS

Typical Application

- ◇ Electric sightseeing car
- ◇ Electric scooter
- ◇ Electric forklift
- ◇ Scraper
- ◇ Marine
- ◇ Portable Medical device
- ◇ Golf cart
- ◇ Electric vehicle
- ◇ Solar
- ◇ Wheelchair

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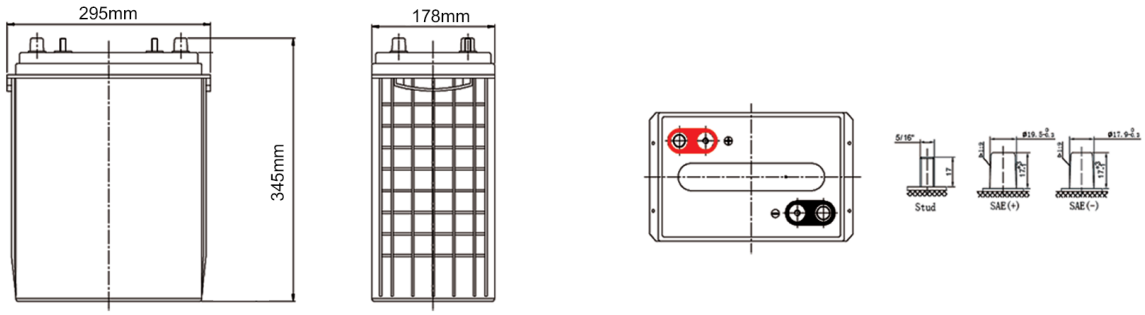
Battery Structure and Size



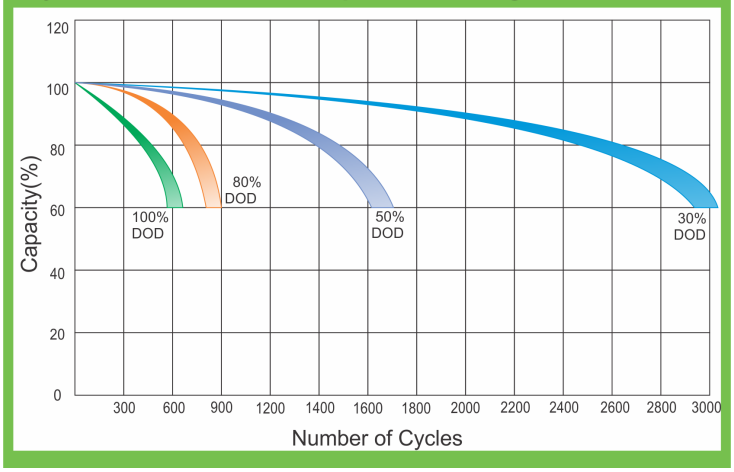
Length: 295mm Width: 178mm Height: 345mm

Key features & Benefits

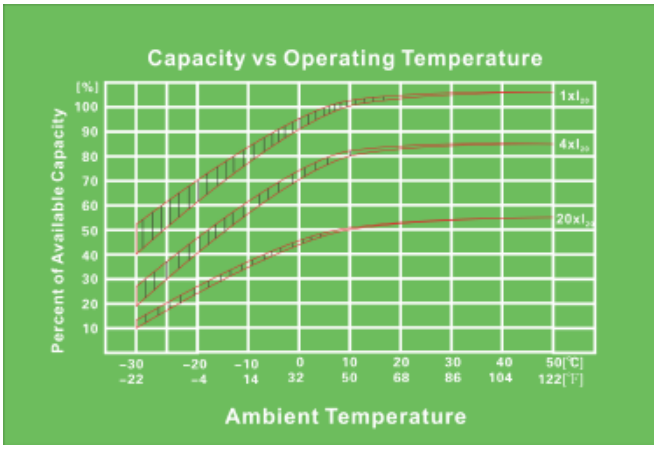
- **Critical pressure control valve** maintains critical internal pressure while safely expelling excess gas generated during overcharging, for longer battery life. 100% tested for highest performance.
- **Exclusive inter cell gasket** prevents inter cell voltage leaks for much lower self-discharge and longer battery life.
- **Gelled electrolyte** is completely leak-proof and spill-proof for easy installation. It eliminates ultra-deep discharges and acid stratification damage.
- **Phosphoric acid in gel** prevents plate shedding and provides two to three times longer battery life.
- **Forged terminal posts and bushings** are completely solid with no porosity, for longer battery life, maximum performance, no leakage of pressure or corrosive gas, and no damage to sensitive electronic equipment.
- **Brushed plate lugs** provide heavier, low-resistance straps with outstanding lug-to-strap knit and eliminate dropped and loose plates that reduce performance and shorten battery life.
- **Heavy-duty plates with high-density deep-cycle oxide** provide quick recharge-ability and superior deep-cycle and float performance in the most demanding applications.
- **Tank formed plates** offer optimal computerized formation, additional quality control and improved voltage matching.
- **Deep-cycle grid construction** direct current to the terminals for maximum power and performance.
- **High Tin grid alloy** reduces gassing and retards corrosion for maintenance-free performance and longer battery life. Ideal for installation near sensitive electronic equipment.
- **Reinforcing fiberglass mat** prevents mossing or short circuits around the edges of the plates for longer battery life.
- **Premium separators** reduce gassing and improve gel filling and electron flow, providing more power- per-pound.
- **More than 250 quality control checks.** EV Gel range of deep-cycle motive batteries provide efficient and sustainable vehi-cle operations with minimal running costs over a long, free-maintenance service life. All Luminor batteries are powered **by Germany technology.**

Performance Characteristics

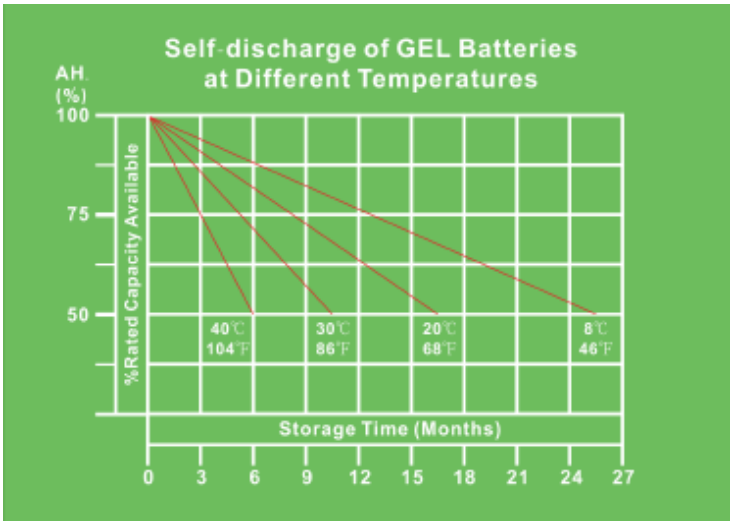
Cycle Life in Relation to Depth of Discharge



Capacity vs Operating Temperature



Self-discharge of GEL Batteries at Different Temperatures



Constant Charging Voltage