

### LDCG6-400E



### Specification

Nominal Voltage		6V
Rated Capacity (25 °C)	20 Hour Rate ( 20.0A to 10. 5V )	400Ah
	10 Hour Rate ( 35.6A to 10.5V )	356Ah
	5 Hour Rate ( 63.9A to 10.5V )	319Ah
Reserve Capacity	@96.1A	180 Minutes
	@237A	60 Minutes
Dimensions	Length	295 mm
	Width	178 mm
	Height	426 mm
Weight		56kg (123.2lbs)

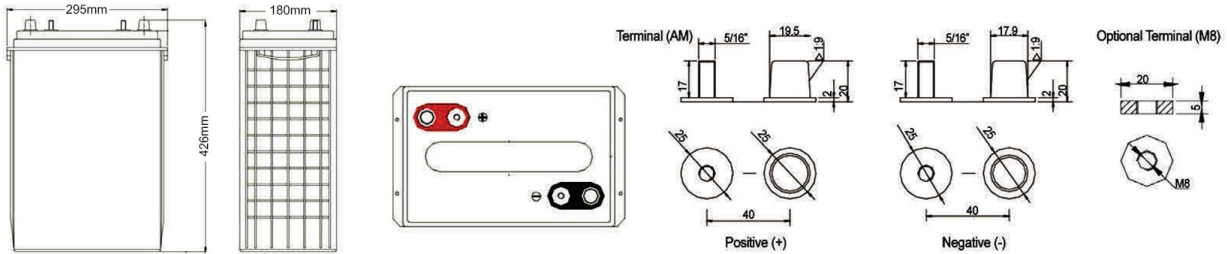
### Characteristics

Capacity Affected by Temperature (20 HR)			Self Discharge 25°C ( 77°F )	Max.Discharge Current @5 seconds @25°C ( 77°F )	Charging Voltage @25°C ( 77°F )		Container Material
0°C(32°F)	25°C ( 77°F )	40°C ( 104°F )			Cycle	Float	
85%	100%	102%	< 2%/month	3200A	7.20-7.35V	6.80-6.90V	ABS

### Typical Application

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

## Battery Structure and Size



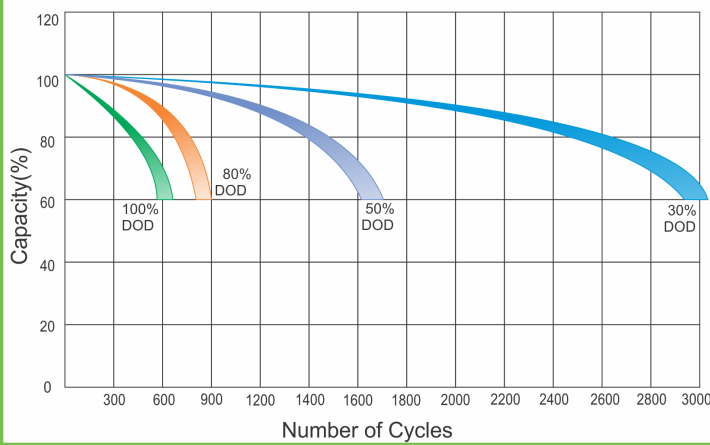
Length: 295mm    Width: 178mm    Height: 426mm

## Key features & Benefits

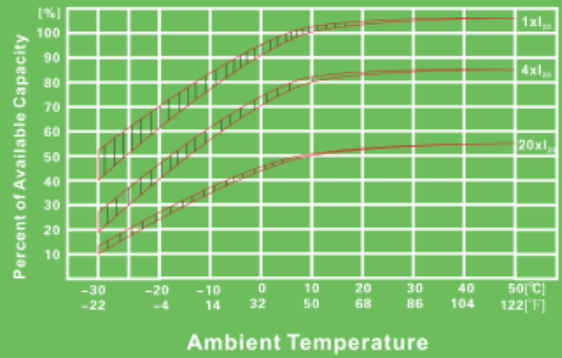
- **Critical pressure control valve** maintains critical internal pressure while safely expelling excess gas generated during overcharging, for longer battery life. 100% tested for highest performance.
- **Exclusive inter cell gasket** prevents inter cell voltage leaks for much lower self-discharge and 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 mousing 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 vehicle operations with minimal running costs over a long, free-maintenance service life. All Luminor batteries are powered by **Germany technology**.

**Performance Characteristics**

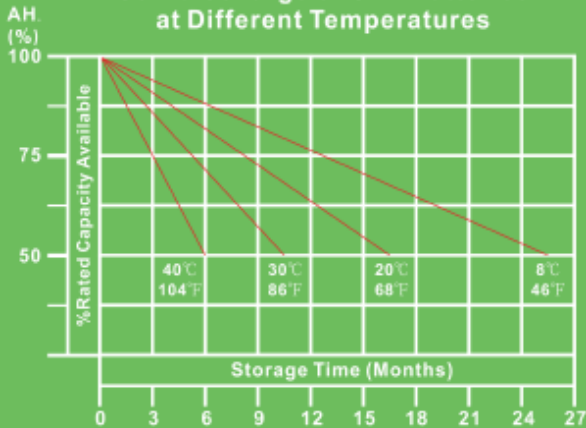
**Cycle Life in Relation to Depth of Discharge**



**Capacity vs Operating Temperature**



**Self-discharge of GEL Batteries at Different Temperatures**



**Constant Charging Voltage**

