

# INCOMPARABLE DEEP CYCLE AGM BATTERY

LDC6-400C (6V400Ah)

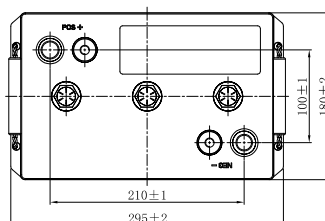
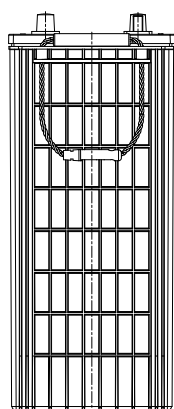
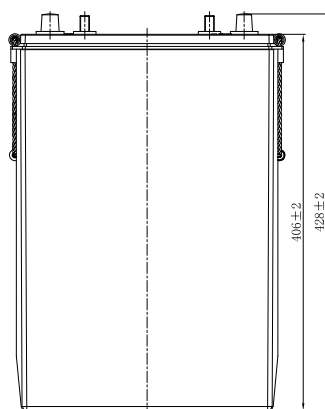


## CHARACTERISTICS

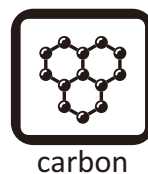
| Item                  |                  | Specifications      |
|-----------------------|------------------|---------------------|
| Voltage               |                  | 6V                  |
| Dimension             | Length           | 295mm (11.6inches)  |
|                       | Width            | 180mm (7.09inches)  |
|                       | Container Height | 406mm (16.0inches)  |
|                       | Total Height     | 428mm (16.9inches)  |
| Approx Weight         |                  | 54.2kg (119.5lbs)   |
| Terminal              |                  | DT(M10)             |
| Container Material    |                  | ABS                 |
| Reserve Capacity      | 25A              | 925min              |
|                       | 75A              | 265min              |
| Capacity              | 20HR             | 400Ah               |
|                       | 5HR              | 342Ah               |
| Operating Temp. Range | Discharge        | -20~55°C (-4~131°F) |
|                       | Charge           | 0~40°C (32~104°F)   |
|                       | Storage          | -15~40°C (5~104°F)  |

## APPLICATIONS

- Electric vehicle
- Golf cart
- Sightseeing
- Cleaning equipment
- AWP
- Mobility



| Terminal |                                      |
|----------|--------------------------------------|
| Positive | 19.5 <sup>+0.5</sup> <sub>-0.5</sub> |
| Negative | 17.9 <sup>+0.5</sup> <sub>-0.5</sub> |



Note: Terminal Torque Values in-lb(Nm):176-203(20-23)

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### GENERAL FEATURES

#### Stable initial capacity

- PAM/NAM amount optimization
- 4BS crystal paste mixing & curing technology
- Double layer separator technology
- Improved design electrolyte S.G.

#### Less water loss

- PAM/NAM amount optimization
- New PAM/NAM recipe introduced
- Rare earth alloy

#### Solve NAM sulphation

- Carbon boost technology
- Pre-sulfate technology

#### Improved PSoC cycling

- Carbon boost technology
- Mix carbon boost technology
- Targeting for higher level through carbon technology

#### Delay PAM softening and shedding

- Plate assembly pressure re-engineering
- 4BS crystal paste mixing & curing technology
- Higher paste density

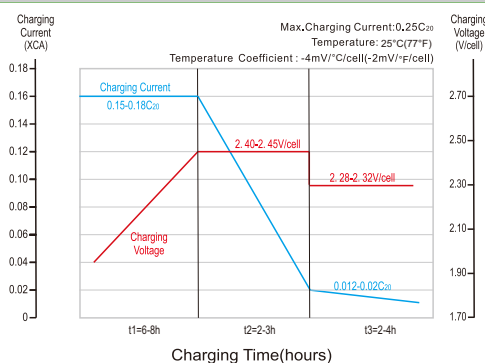
#### Optimize electrolyte stratification

- Introduce AGM-GEL technology

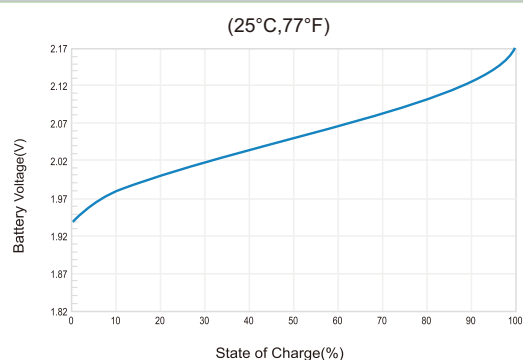
#### Excellent deep cycle performance

- Plate assembly pressure re-engineering
- New PAM/NAM recipe introduced
- Gel electrolyte technology
- Rare earth alloy
- Double layer separator technology
- Lower acid filling temperature

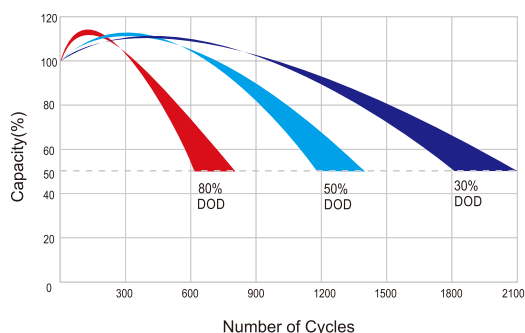
#### Charging Profiles



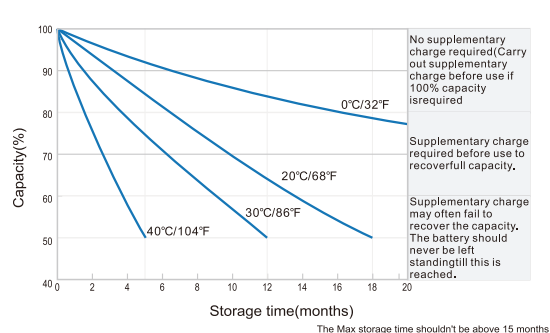
#### Relationship of OCV and State Of Charge



#### Cycle Life in Relation to Depth Of Discharges



#### Self-discharge Characteristics



Leoch International Technology Ltd.  
[www.leoch.com](http://www.leoch.com)

Leoch Batteries Pte Ltd  
[www.leoch.sg](http://www.leoch.sg)

Leoch Battery Corporation  
[www.leochamericas.com](http://www.leochamericas.com)

Leoch Europe S.A.  
[www.leoch.eu](http://www.leoch.eu)