

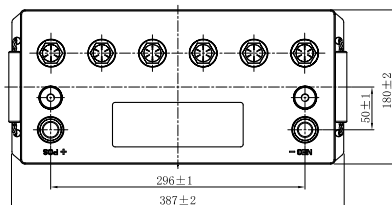
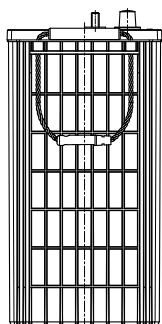
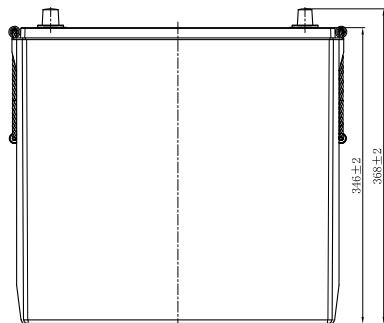
# INCOMPARABLE DEEP CYCLE AGM BATTERY

LDC12-245 (12V245Ah)



## CHARACTERISTICS

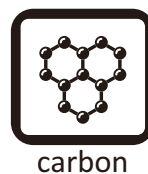
| Item                  |                  | Specifications      |
|-----------------------|------------------|---------------------|
| Voltage               |                  | 12V                 |
| Dimension             | Length           | 387mm (15.2inches)  |
|                       | Width            | 180mm (7.09inches)  |
|                       | Container Height | 346mm (13.6inches)  |
|                       | Total Height     | 368mm (14.5inches)  |
| Approx Weight         |                  | 64.33kg (141.8lbs)  |
| Terminal              |                  | DT(3/8")            |
| Container Material    |                  | PP                  |
| Reserve Capacity      | 25A              | 535min              |
|                       | 75A              | 145min              |
| Capacity              | 20HR             | 245Ah               |
|                       | 5HR              | 210Ah               |
| Operating Temp. Range | Discharge        | -20~55°C (-4~131°F) |
|                       | Charge           | 0~40°C (32~104°F)   |
|                       | Storage          | -15~40°C (5~104°F)  |



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

## APPLICATIONS

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



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

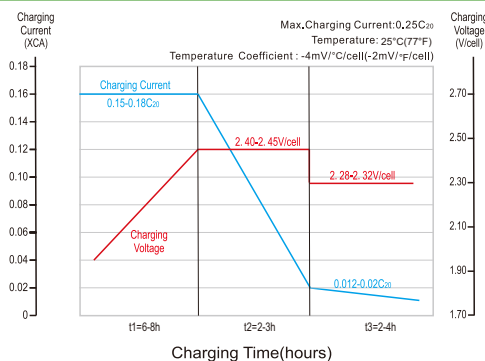
### Optimize electrolyte stratification

- Introduce AGM-GEL technology

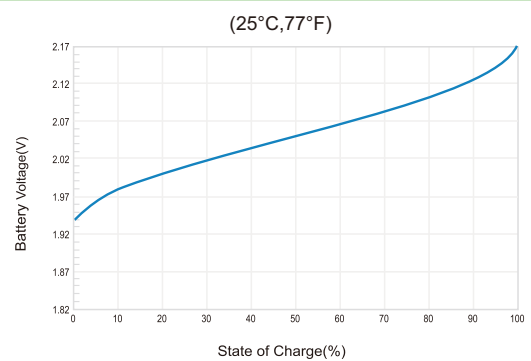
### Excellent deep cycle performance

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

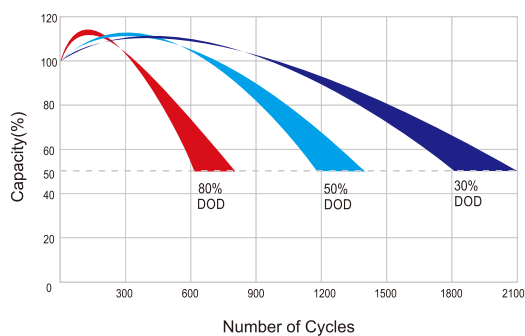
### Charging Profiles



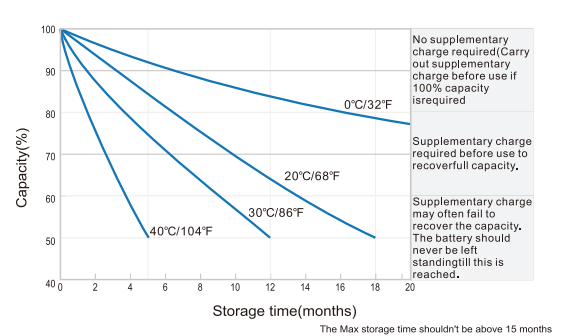
### Relationship of OCV and State Of Charge



### 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)