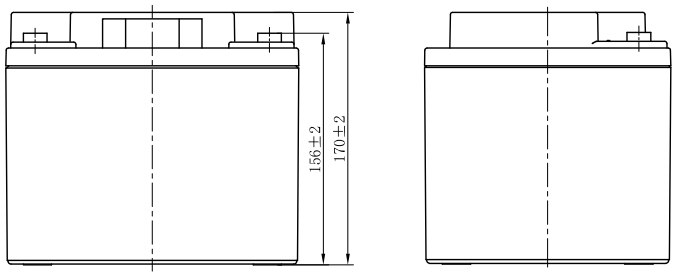
# SUPERIOR DEEP CYCLE AGM BATTERY

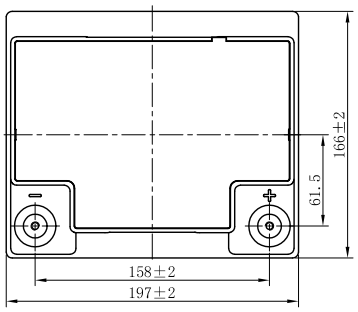
LDC12-53 (12V53Ah)

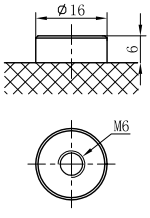
LEOCH BATTERY

## CHARACTERISTICS

| Item | | Specifications |
|---|---|---|
| Voltage | | 12V |
| Dimension | Length | 197mm (7.76inches) |
| | Width | 166mm (6.54inches) |
| | Container Height | 170mm (6.69inches) |
| | Total Height | 170mm (6.69inches) |
| Approx Weight | | 14.2kg (31.3lbs) |
| Terminal | | T6(M6) |
| Container Material | | ABS |
| Capacity | 20HR | 53Ah |
| | 10HR | 46Ah |
| | 5HR | 44Ah |
| 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

carbon

AGM-GEL technology

Note: Terminal Torque Values in-lb(Nm):34.39-47.75(3.9-5.4)

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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.

### Improved PSoC cycling

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

### Less water loss

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

### Delay PAM softening and shedding

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

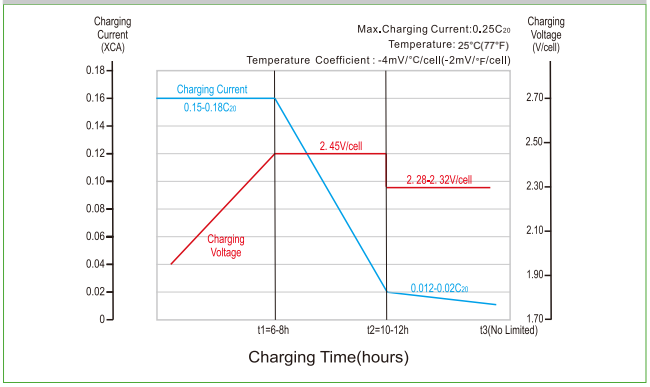
### Solve NAM sulphation

- Carbon boost technology
- Pre-sulfate technology

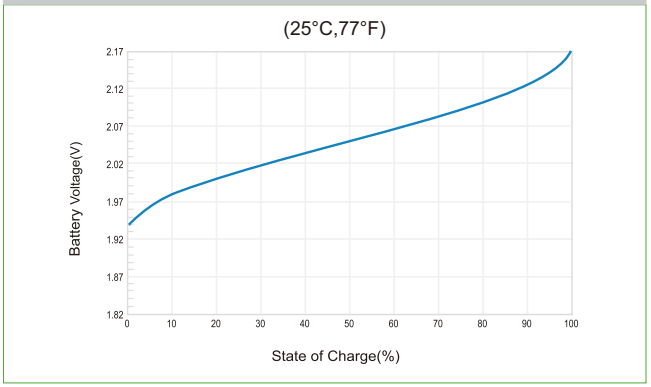
### Optimize electrolyte stratification

- Introduce AGM-GEL technology

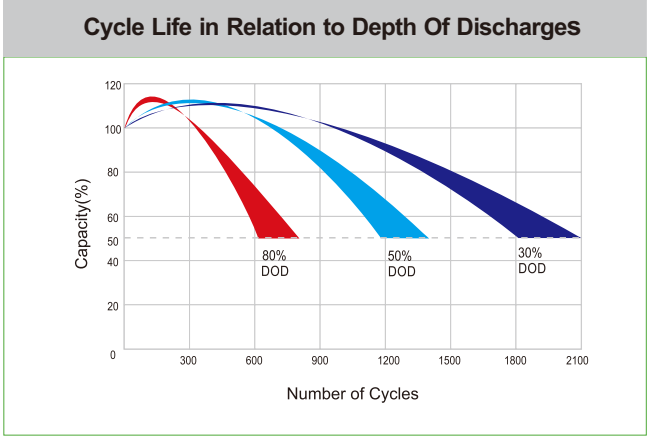
### Charging Profiles



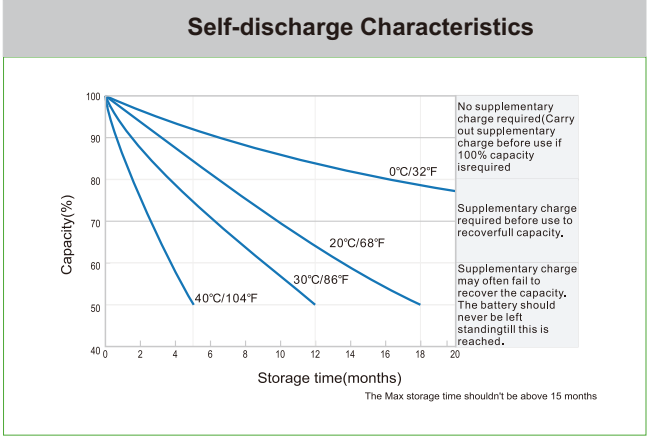

### Relationship of OCV and State Of Charge




### Cycle Life in Relation to Depth Of Discharges




### Self-discharge Characteristics





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