

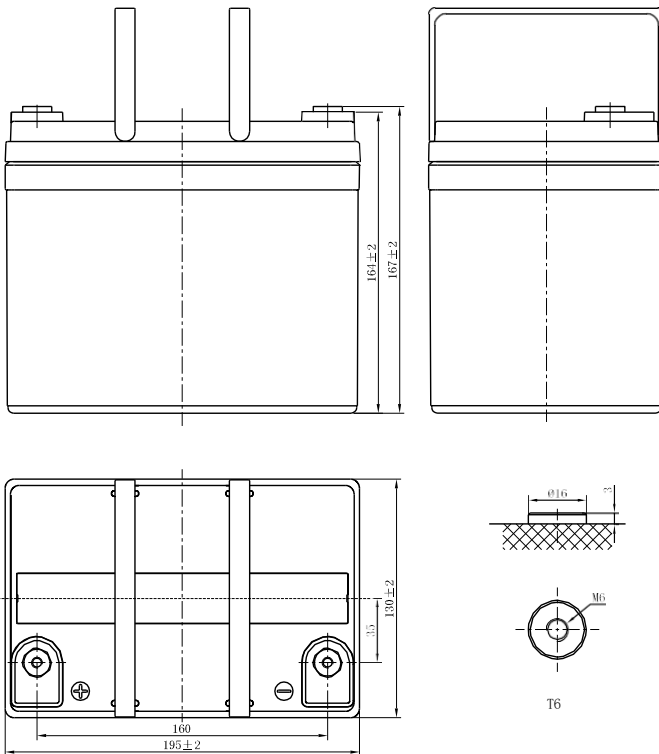
# SUPERIOR DEEP CYCLE AGM BATTERY

LDC12-39 (12V39Ah)



## CHARACTERISTICS

Item	Specifications
Voltage	12V
Dimension	Length 195mm (7.68inches)
	Width 130mm (5.12inches)
	Container Height 164mm (6.46inches)
	Total Height 167mm (6.57inches)
Approx Weight	11.3kg (24.9lbs)
Terminal	T6(M6)
Container Material	ABS
Capacity	20HR 39Ah
	10HR 37Ah
	5HR 35Ah
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



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



# SUPERIOR DEEP CYCLE AGM BATTERY

## LDC12-39 (12V39Ah)



### 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

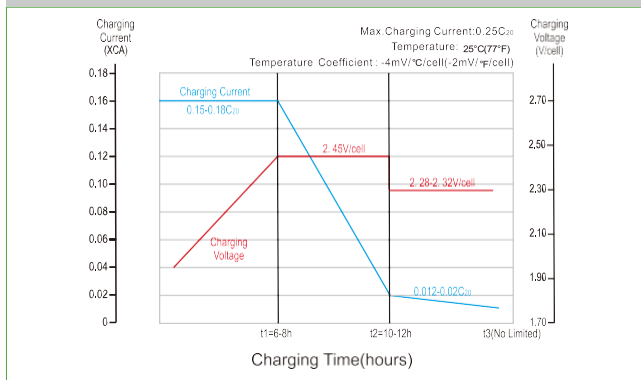
#### Optimize electrolyte stratification

- Introduce AGM-GEL technology

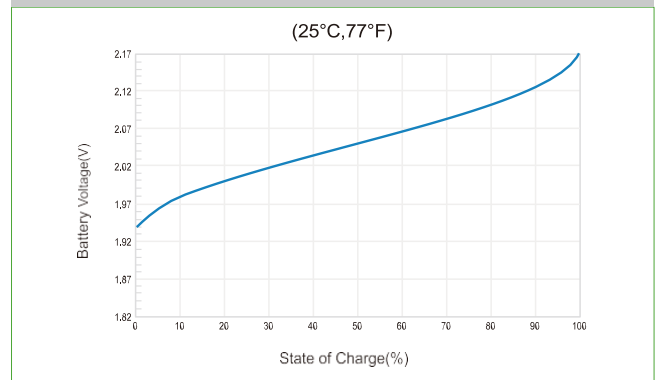
#### Excellent deep cycle performance

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

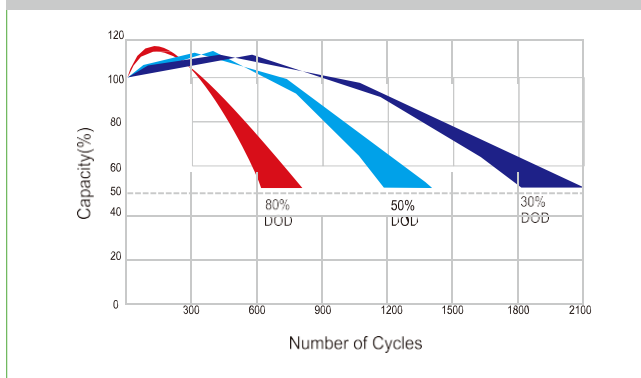
#### Charging Profiles



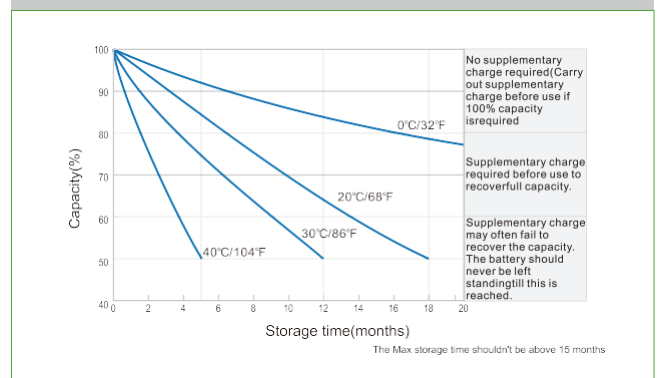
#### Relationship of OCV and State Of Charge



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



#### Self-discharge Characteristics



Leoch International Technology Ltd.  
www.leoch.com

Leoch Batteries Pte Ltd  
www.leoch.sg

Leoch Battery Corporation  
www.leochamericas.com

Leoch Europe S.A.  
www.leoch.eu