

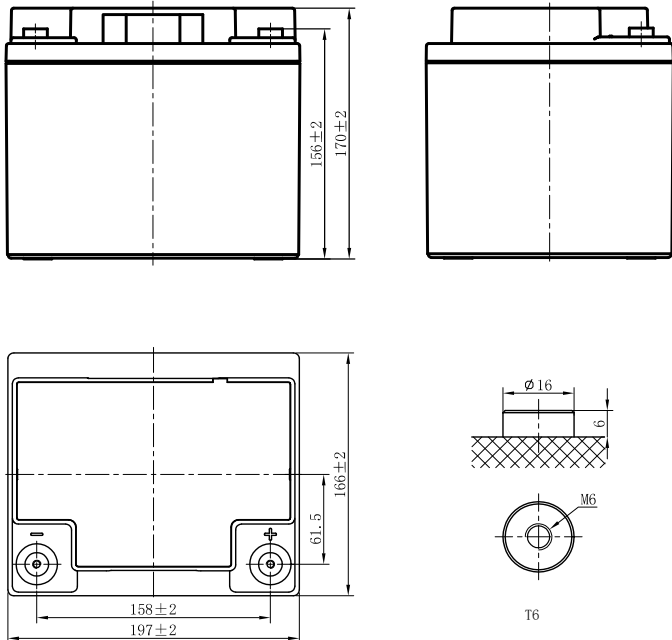
# SUPERIOR DEEP CYCLE AGM BATTERY

LDC12-44 (12V44Ah)



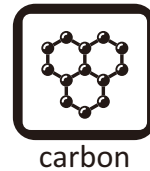
## CHARACTERISTICS

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	10.1kg (22.3lbs)	
Terminal	T6(M6)	
Container Material	ABS	
Capacity	20HR	44Ah
	10HR	40Ah
	5HR	36Ah
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

## LDC12-44 (12V44Ah)



### 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

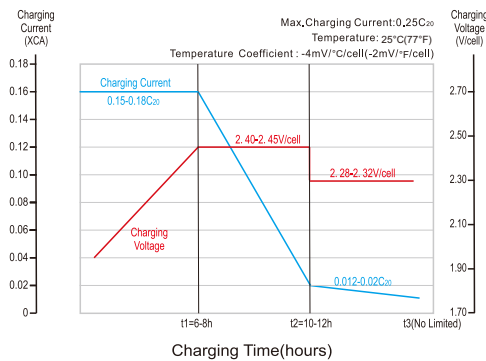
#### Optimize electrolyte stratification

- Introduce AGM-GEL technology

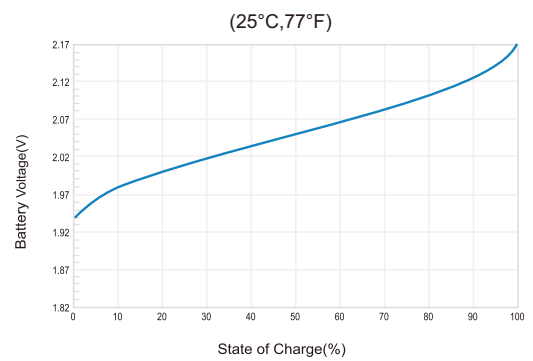
#### Excellent deep cycle performance

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

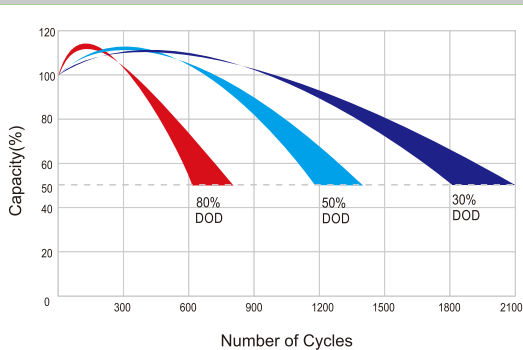
#### Charging Profiles



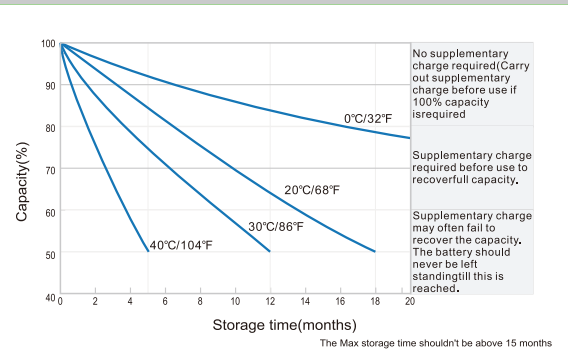
#### Relationship of OCV and State Of Charge



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



#### Self-discharge Characteristics



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

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