

# INCOMPARABLE DEEP CYCLE AGM BATTERY

LDC12-41H (12V41Ah)

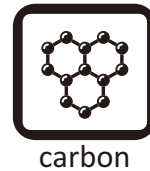
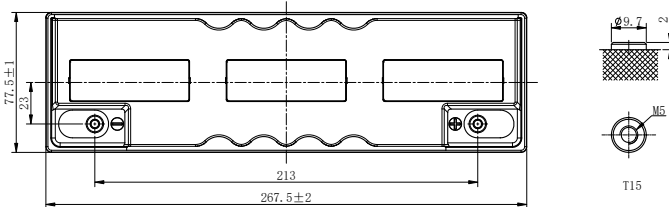
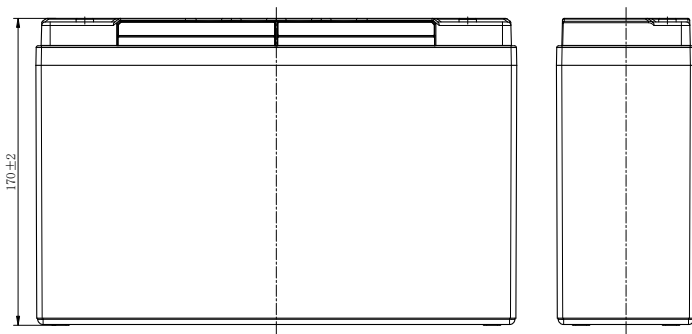


## CHARACTERISTICS

Item	Specifications	
Voltage	12V	
Dimension	Length	267.5mm (10.5inches)
	Width	77.5mm (3.05inches)
	Container Height	170mm (6.69inches)
	Total Height	170mm (6.69inches)
Approx Weight	9.24kg (20.4lbs)	
Terminal	T15(M5)	
Container Material	ABS	
Reserve Capacity	25A	72min
	56A	23min
	75A	16min
Capacity	20HR	41Ah
	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 motorcycle
- Electric bicycle
- Wheelchair



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## LDC12-41H (12V41Ah)



### 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

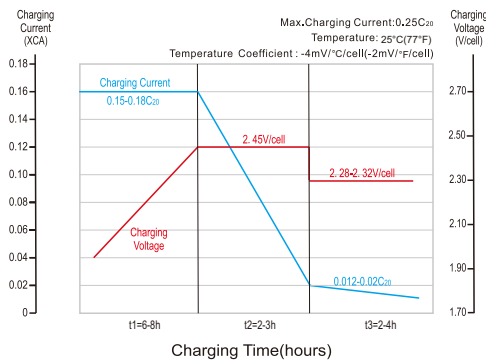
#### Solve NAM sulphation

- Carbon boost technology
- Pre-sulfate technology

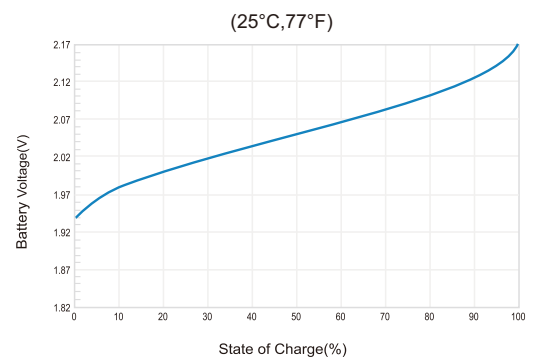
#### Optimize electrolyte stratification

- Introduce AGM-GEL technology

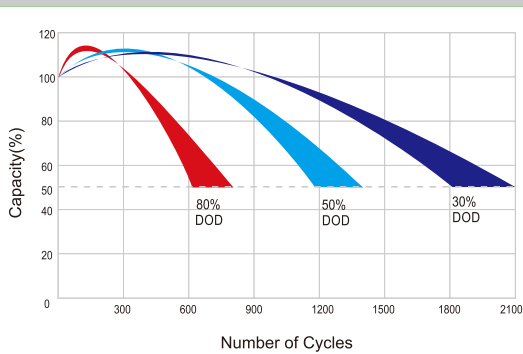
#### Charging Profiles



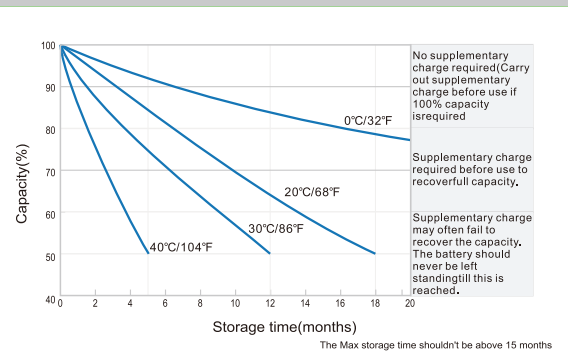
#### Relationship of OCV and State Of Charge



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



#### Self-discharge Characteristics



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www.leoch.com

Leoch Batteries Pte Ltd  
www.leoch.sg

Leoch Battery Corporation  
www.leochamericas.com

Leoch Europe S.A.  
www.leoch.eu