

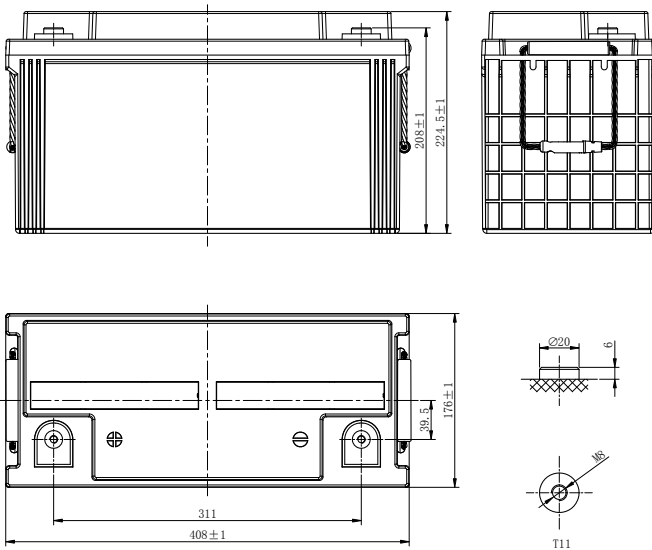
INCOMPARABLE DEEP CYCLE AGM BATTERY

LDC12-140 (12V144Ah)



CHARACTERISTICS

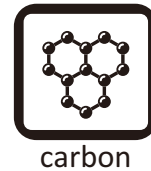
Item	Specifications	
Voltage	12V	
Dimension	Length	408mm (16.1inches)
	Width	176mm (6.93inches)
	Container Height	224.5mm (8.84inches)
	Total Height	224.5mm (8.84inches)
Approx Weight	39.2kg (86.4lbs)	
Terminal	T11(M8)	
Container Material	ABS	
Reserve Capacity	25A	321min
	56A	126min
Capacity	20HR	144Ah
	5HR	126Ah
Operating Temp. Range	Discharge	-20~55°C (-4~131°F)
	Charge	0~40°C (32~104°F)
	Storage	-15~40°C (5~104°F)



Note: Terminal Torque Values in-lb(Nm):97.35-130.0(11.0-14.7)

APPLICATIONS

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



INCOMPARABLE DEEP CYCLE AGM BATTERY

LDC12-140 (12V144Ah)



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

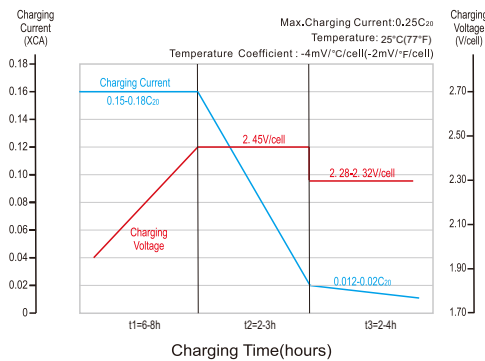
Solve NAM sulphation

- Carbon boost technology
- Pre-sulfate technology

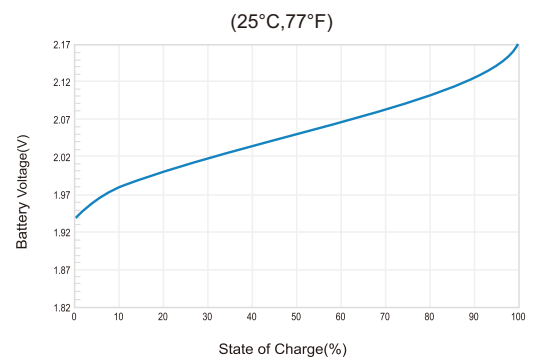
Optimize electrolyte stratification

- Introduce AGM-GEL technology

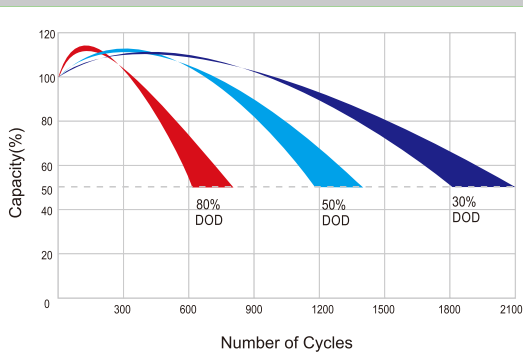
Charging Profiles



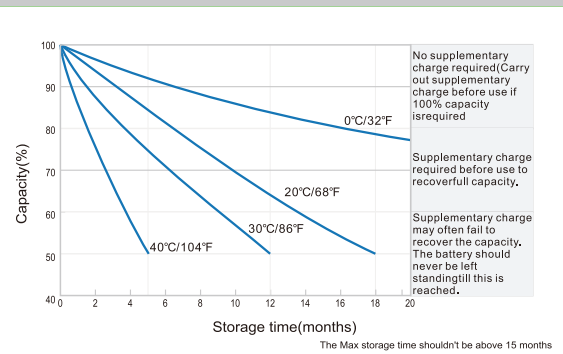
Relationship of OCV and State Of Charge



Cycle Life in Relation to Depth Of Discharges



Self-discharge Characteristics



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