INCOMPARABLE DEEP CYCLE AGM BATTERY

LDC8-210-GC8H (8V210Ah)

LEOCH
LEOCH BATTERY

CHARACTERISTICS

Item		Specifications
Voltage		8V
Dimension	Length	260mm (10.2inches)
	Width	182mm (7.17inches)
	Container Height	295mm (11.6inches)
	Total Height	298mm (11.7inches)
Approx Weight		40.5kg (89.3lbs)
Terminal		T11(M8)
Container Material		ABS
Reserve Capacity	25A	480min
	56A	175min
	75A	145min
Capacity	20HR	210Ah
	5HR	180Ah
Operating Temp. Range	Discharge	-20~55°C (-4~131°F)
	Charge	0~40°C (32~104°F)
	Storage	-15~40°C (5~104°F)
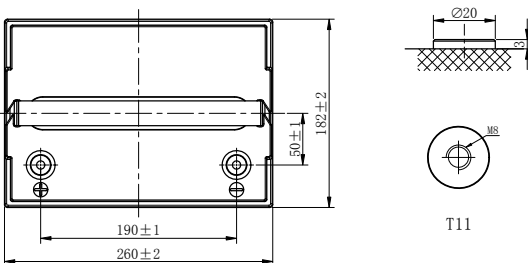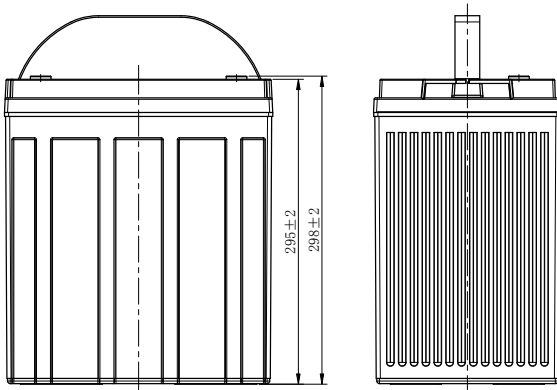
APPLICATIONS

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

carbon

AGM-GEL technology

Note: Terminal Torque Values in-lb(Nm):97.28-130.0(11-14.7)

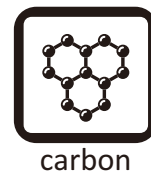# INCOMPARABLE DEEP CYCLE AGM BATTERY

LDC8-210-GC8H (8V210Ah)

LEOCH BATTERY

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
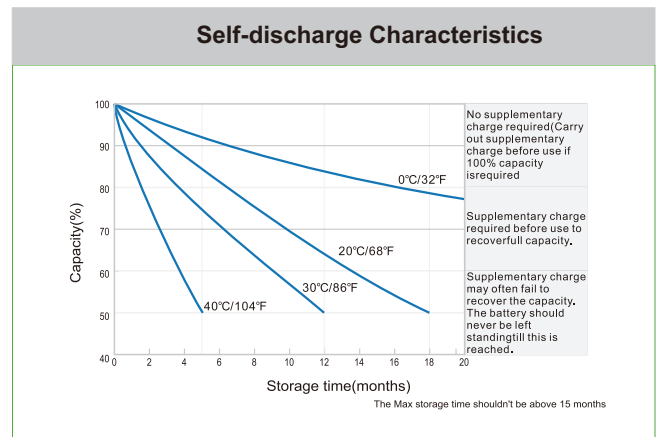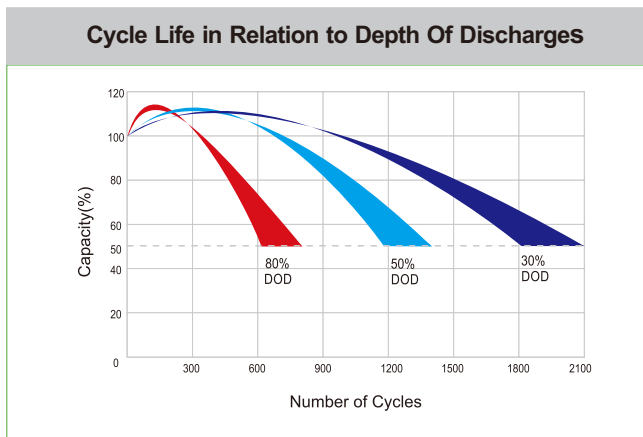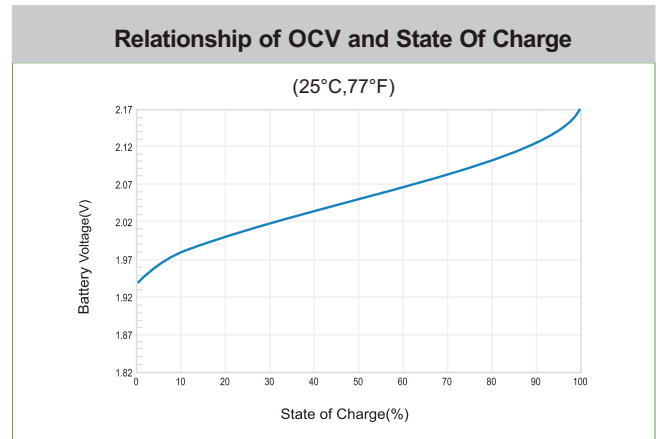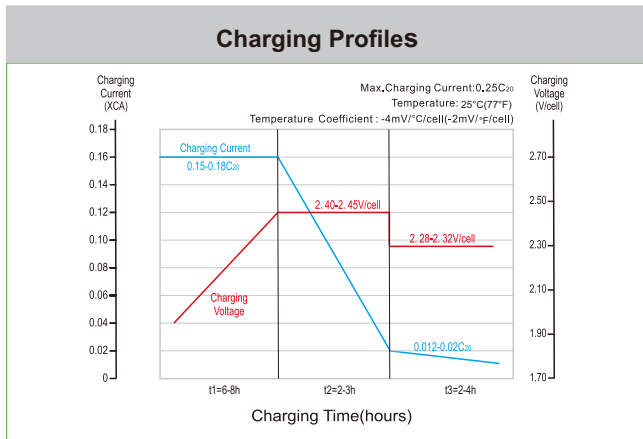
Delay PAM softening and shedding

- 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

Charging Current (XCA)

Max.Charging Current:0.25C$_{20}$
Temperature: 25°C(77°F)
Temperature Coefficient : -4mV/°C/cell(-2mV/°F/cell)

Charging Voltage (V/cell)

Charging Current
0.15-0.18C$_{20}$

2.40-2.45V/cell
2.28-2.32V/cell

Charging Voltage

0.012-0.02C$_{20}$

t1=6-8h   t2=2-3h   t3=2-4h

Charging Time(hours)

Relationship of OCV and State Of Charge

(25°C,77°F)

Battery Voltage(V)

State of Charge(%)

Cycle Life in Relation to Depth Of Discharges

Capacity(%)

80% DOD   50% DOD   30% DOD

Number of Cycles

Self-discharge Characteristics

Capacity(%)

0°C/32°F
20°C/68°F
30°C/86°F
40°C/104°F

No supplementary charge required(Carry out supplementary charge before use if 100% capacity is required

Supplementary charge required before use to recover full capacity.

Supplementary charge may often fail to recover the capacity. The battery should never be left standing till this is reached.

Storage time(months)

The Max storage time shouldn't be above 15 months

Leoch International Technology Ltd.
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Leoch Battery Corporation
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