TECHNICAL DATASHEET

NM12-50LDC

Deep cycle AGM battery

Technical data

carbon

AGM-GEL technology

General

Nominal voltage	**12 V** (6 cell per unit)
Nominal capacity (C20)	**55 Ah**
Length	**223 mm**
Width	**123 mm**
Container Height	**175 mm**
Total Height	**175 mm**
Approx. Weight	**13,4 kg**
Terminal	**T12-A (M6)**
Max discharge current (5s)	**48 A**
Internal resistance	**52 mΩ**
Container material	**ABS**
EUROBAT	**3-5 years standard commercial**

Charging

Float charge @ 25 °C	**2,28 V per cell**
Temperature compensation	**-18 mV per °C**

Temperature

Operating temperature range

Discharge	**-20-55 °C**
Charge	**0-40 °C**
Storage	**-15-40 °C**
Self discharge	**3% per month. Recharge after 6 months**

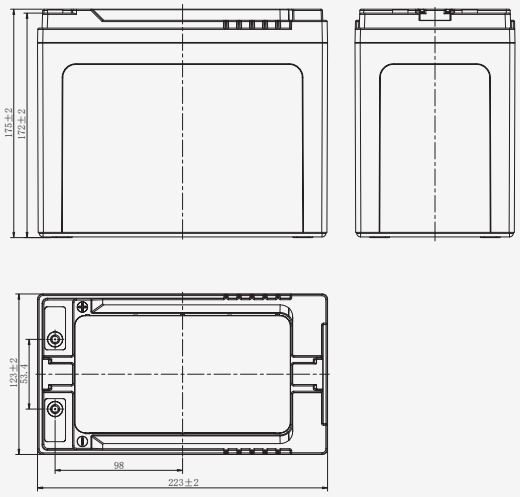
Capacity affected by temperature

40 °C	**102 %**
25 °C	**100 %**
0 °C	**85 %**
-15 °C	**65 %**

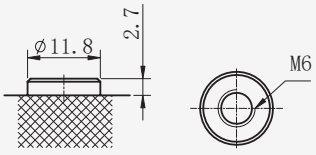
Applications

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

Dimensions



Terminals



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

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NORDMAX™

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

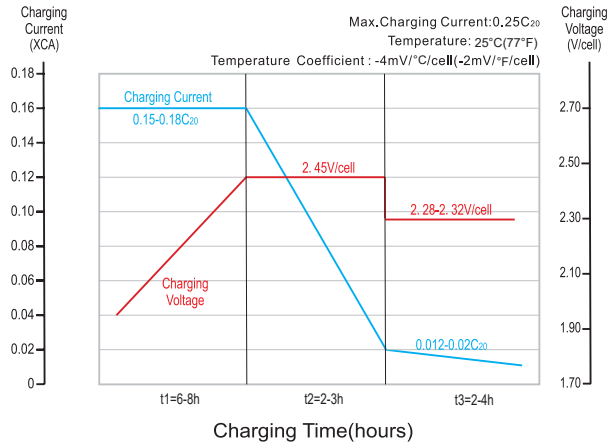
Solve NAM silphation

- Carbon boost technology
- Pre-sulfate technology

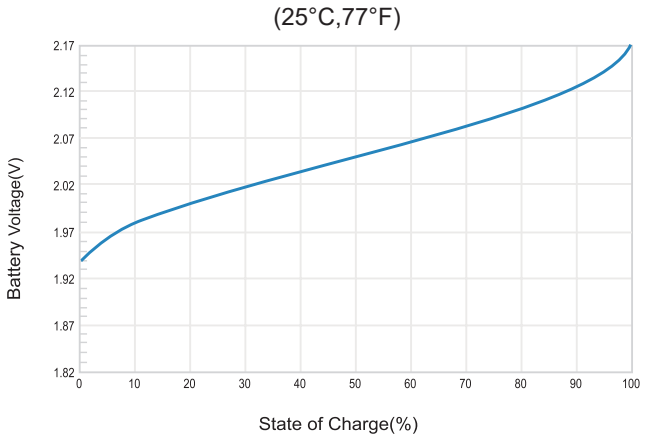
Optimize electrolyte stratification

- Introduce AGM-GEL technology

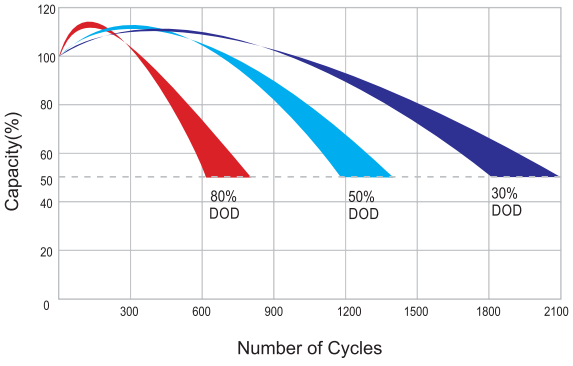
Charging profiles



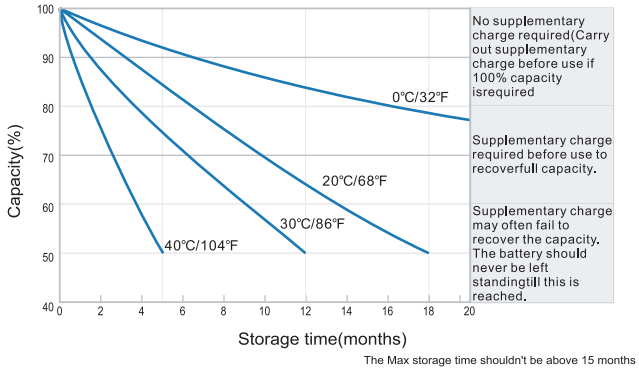
Relationship of OCV and State Of Charge



Cycle Life Relation to Depth Of Discharge



Self-discharge Characteristics



The Max storage time shouldn't be above 15 months