

# STARMAX



**MR** MARINE AND RV  
MOTIVE DEEP CYCLE AGM  
**BATTERIES**

SDC12-105-G27-DT(12 Volts)



[www.starmaxbatteries.com](http://www.starmaxbatteries.com)

The world's leading battery brand

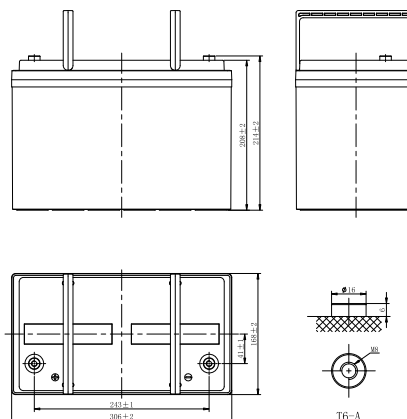


# SDC SERIES - SUPERIOR CYCLING NON SPILLABLE

12V 105Ah



# LAYOUT



## General Features

### Stable initial capacity

- PAM/NAM amount optimization
- 4BS crystal paste mixing & curing technology
- Double layer separator technology
- Improved design electrolyte S.G.

## 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

## 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

### 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

### Optimize electrolyte stratification

- Introduce AGM-GEL technology



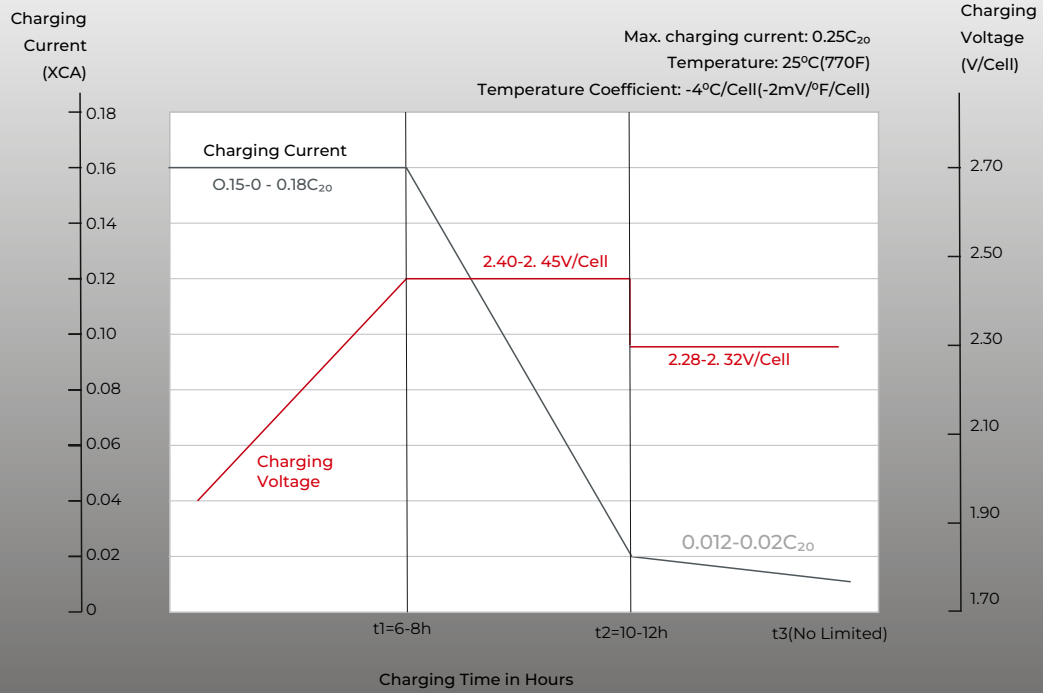
# SPECIFICATIONS

Voltage	12V	
Dimension	Length	306mm(12.0 inches)
	Width	168mm(6.61 inches)
	Container height	208mm(8.19 inches)
	Total Height	232.5mm (9.15 inches)
Approx Weight	27.2kg (60.0lbs)	
Terminal	DT (5/16")	
Container Material	ABS	
Reserve Capacity	25A	195min
	75A	44 min
Capacity	20HR	105Ah
	10HR	95Ah
	5HR	88Ah
Operating Temp. Range	Discharge	-20~55°C (-4~131°F)
	Charge	0~40°C (32~104°F)
	Storage	-15~40°C (5~104°F)

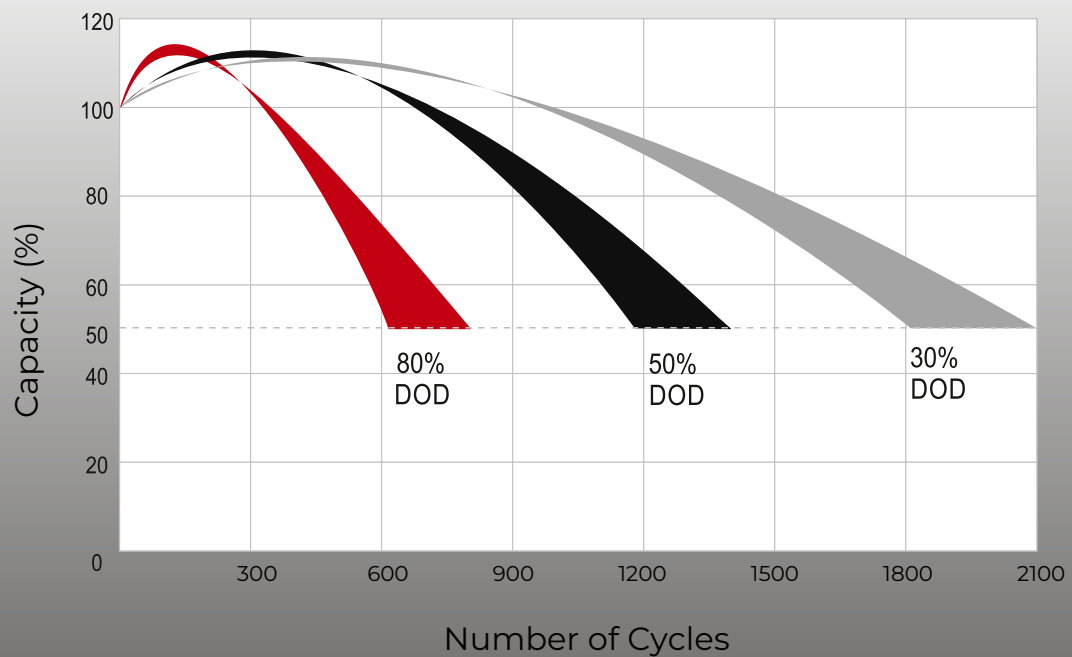
## Applications

- ✓ Aerial Work Platforms
- ✓ Golf cart & Utility Vehicles
- ✓ Transportation
- ✓ Floor Cleaning Machines
- ✓ Marine & Recreation Vehicles
- ✓ Solar & Renewable Energy

## Charging Profiles

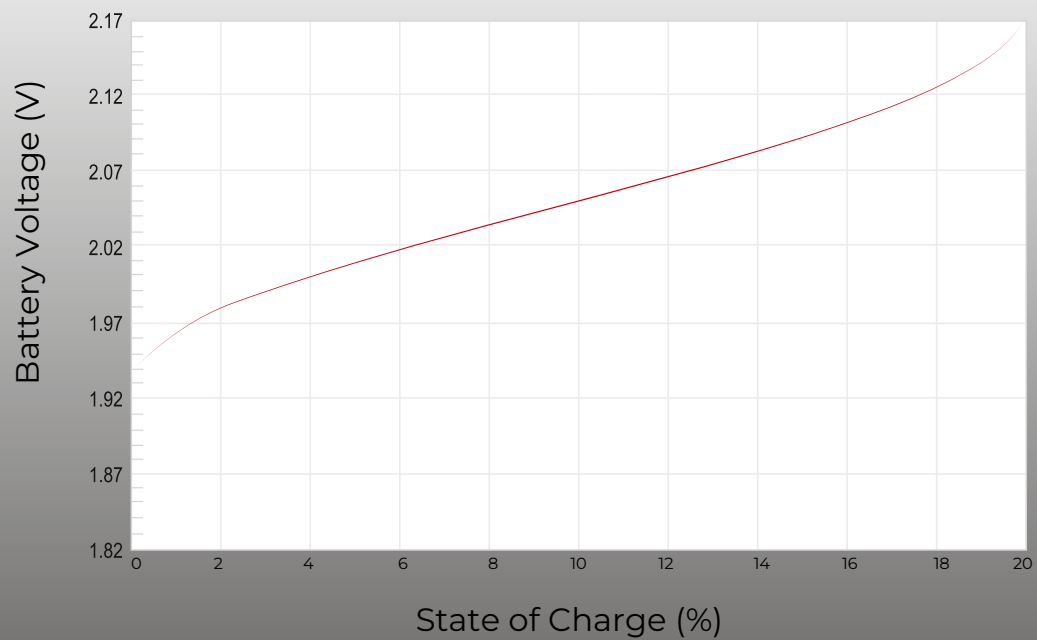


## Cycle Life in Relation to Depth Of Discharges

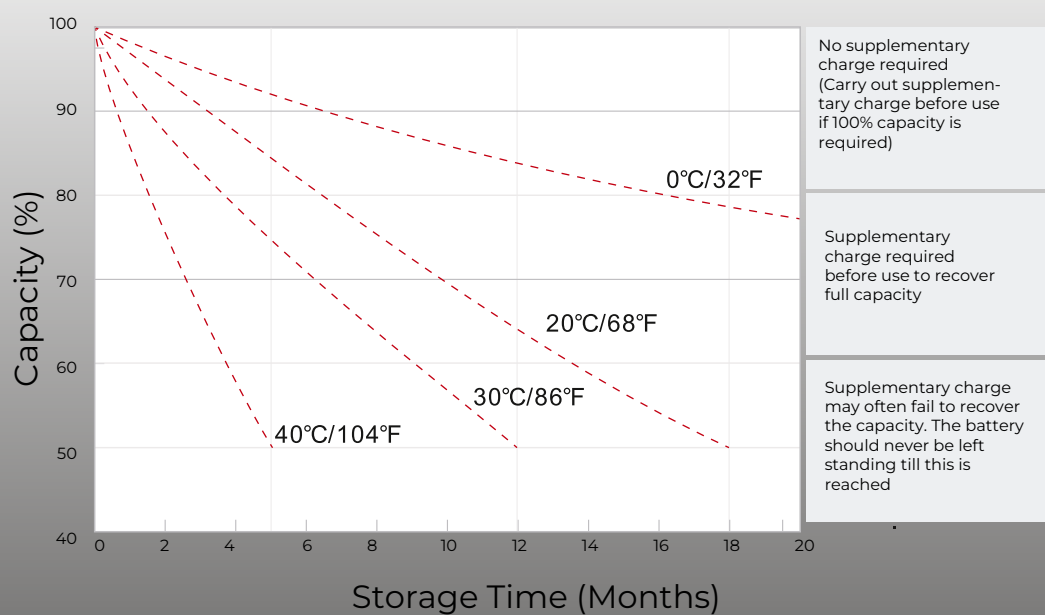


## Relationship of OCV and State of Charge

(25°C, 77°F)



## Self Discharge Characteristics



The max Storage time should not be above 15 months



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