

# STARMAX



**FM** FLOOR MACHINE  
**MOTIVE DEEP CYCLE AGM**  
**BATTERIES**

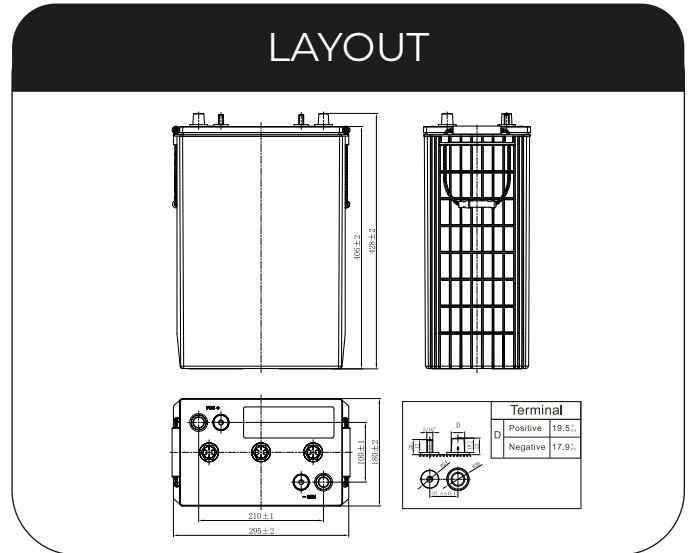
SDC6-400 (6Volts)



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

# SDC SERIES - SUPERIOR CYCLING NON SPILLABLE

## 6V 400Ah



## 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

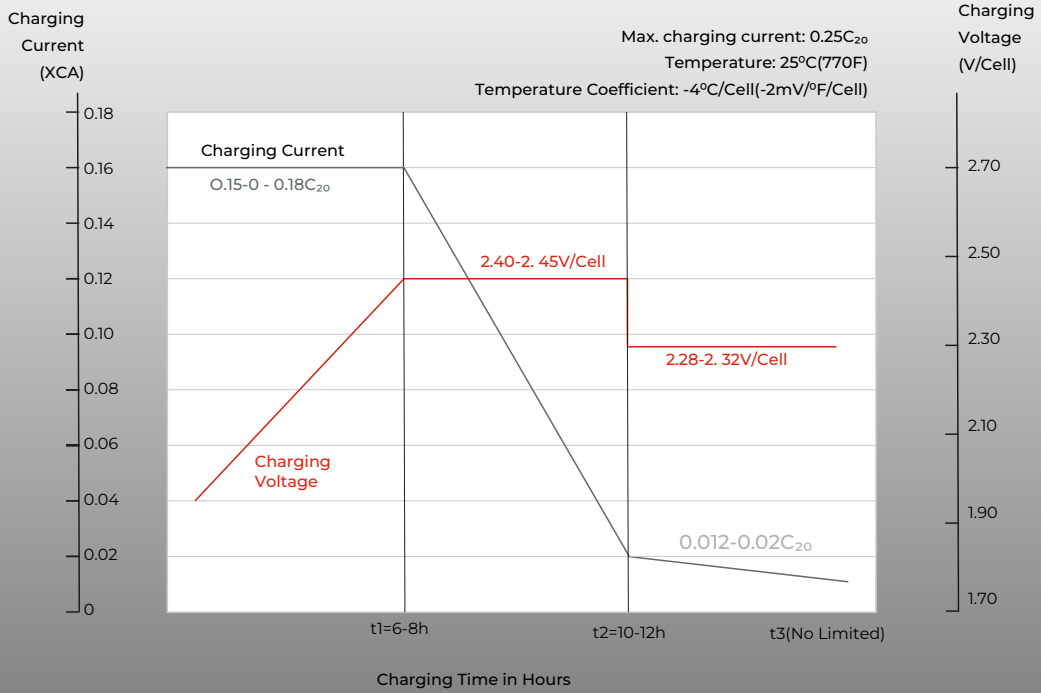
Voltage	12V		
Dimension	Length	387mm(15.2 inches)	
	Width	180mm(7.09 inches)	
	Container height	346mm(13.6 inches)	
	Total Height	268mm (14.5 inches)	
Approx Weight	59.74kg (131.7) lbs		
Terminal	DT(5/16")		
Container Material	ABS		
Reserve Capacity	25A	925min	
	75A	265 min	
Capacity	20HR	400Ah	
	10HR	375Ah	
	5HR	342Ah	
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

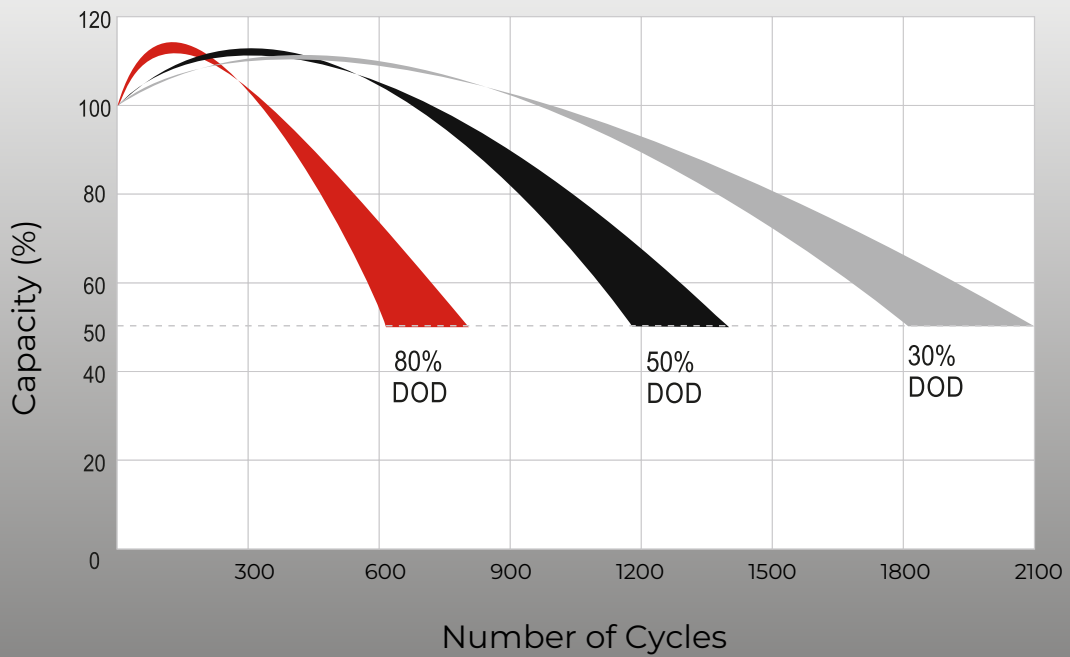
- ✓ Arial Work Platforms
- ✓ Golf cart & Utility Vehicles
- ✓ Transportation
- ✓ Floor Cleaning Machines
- ✓ Marine & Recreation Vehicles
- ✓ Solar & Renewable Energy



# Charging Profiles

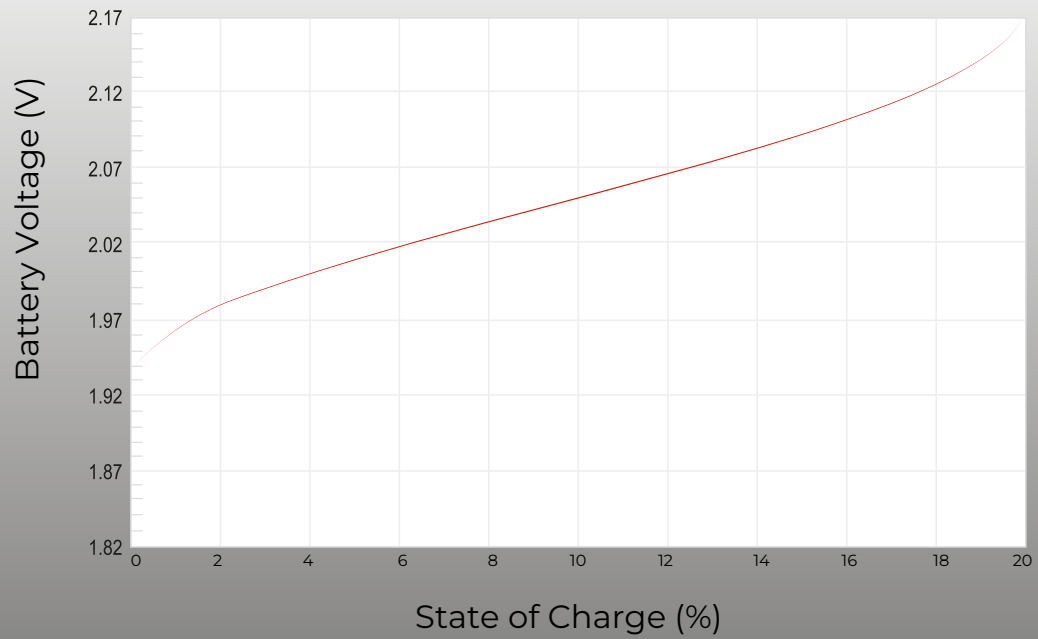


# Cycle Life in Relation to Depth Of Discharges

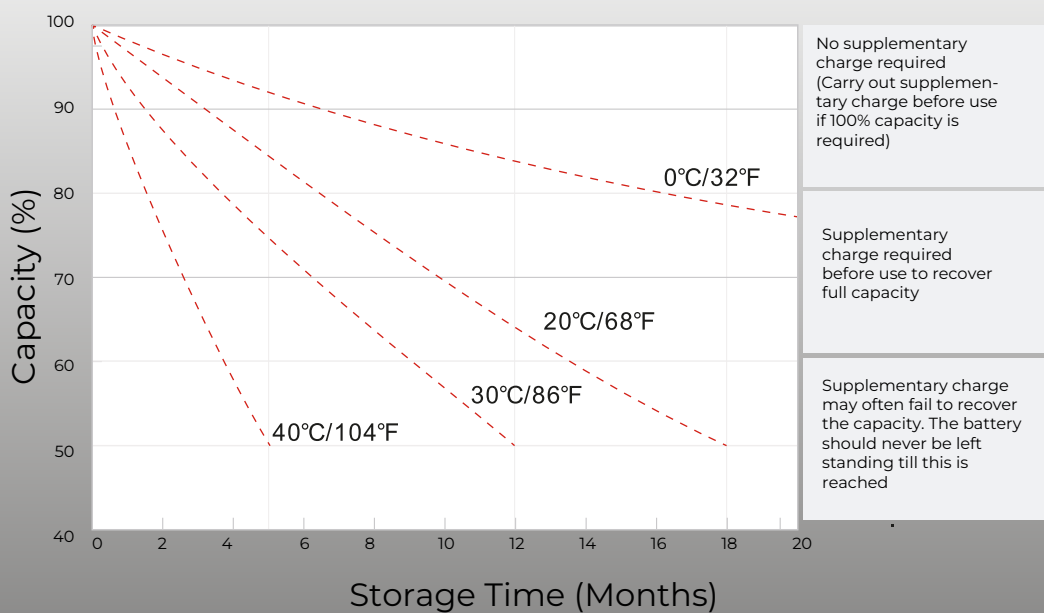


## Relationship of OCV and State of Charge

(25°C, 77°F)



## Self Discharge Characteristics



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

The max Storage time should not be above 15 months



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