



FM FLOOR MACHINE
MOTIVE DEEP CYCLE AGM
BATTERIES

SDC12-220 (12Volts)



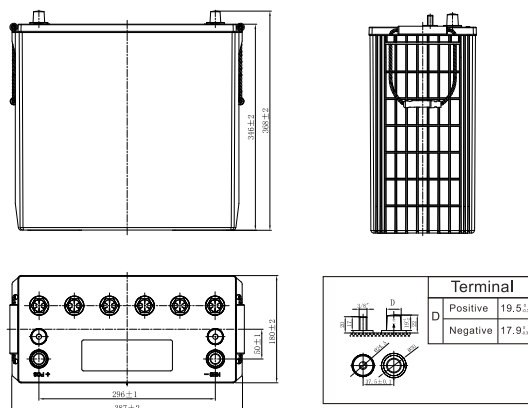
www.starmaxbatteries.com

SDC SERIES - SUPERIOR CYCLING NON SPILLABLE

SDC12-220 (12Volts)



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

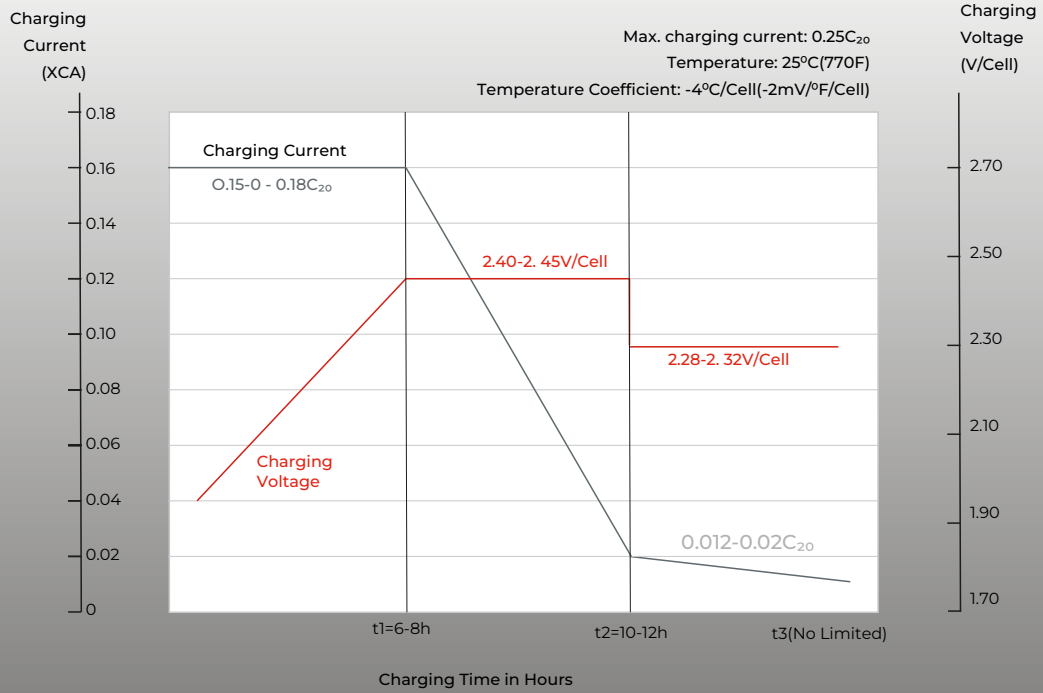
Voltage		12V	
Dimension	Length	387mm(15.2 inches)	
	Width	180mm(7.09 inches)	
	Container height	346mm(13.6 inches)	
	Total Height	368mm (14.5 inches)	
Approx Weight		59.74kg (131.7) lbs	
Terminal		DT(3/8")	
Container Material		ABS	
Reserve Capacity		25A	470min
		56A	175 min
		75A	120 min
Capacity		20HR	220Ah
		10HR	210Ah
		5HR	190Ah
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

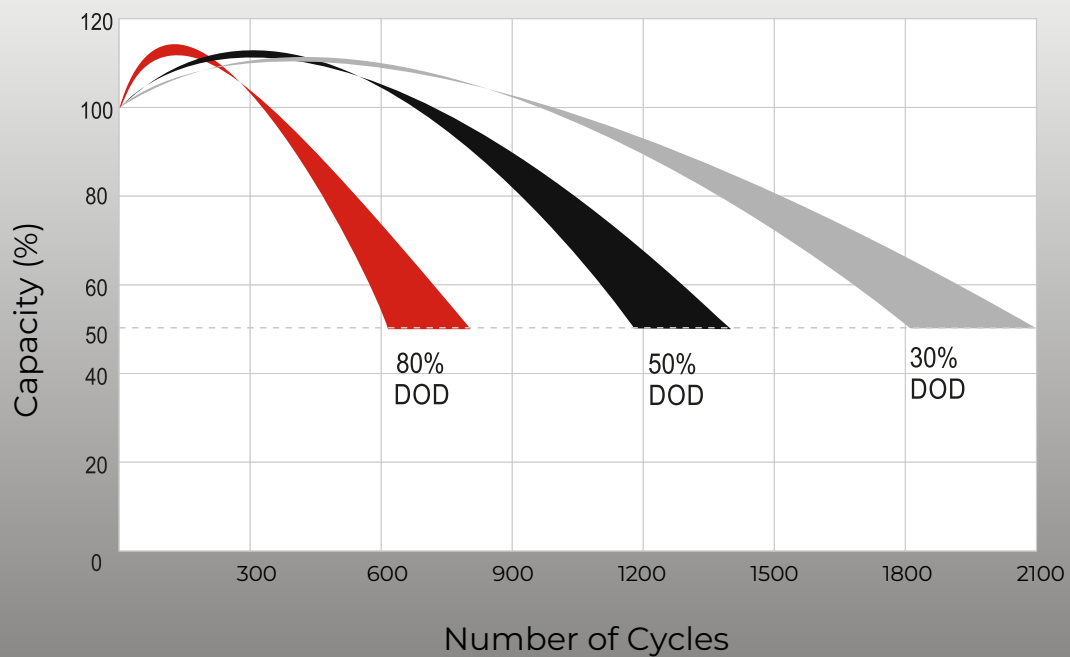
- ✓ Aerial Work Platforms
- ✓ Golf cart & Utility Vehicles
- ✓ Transportation
- ✓ Floor Cleaning Machines
- ✓ Marine & Recreation Vehicles
- ✓ Solar & Renewable Energy



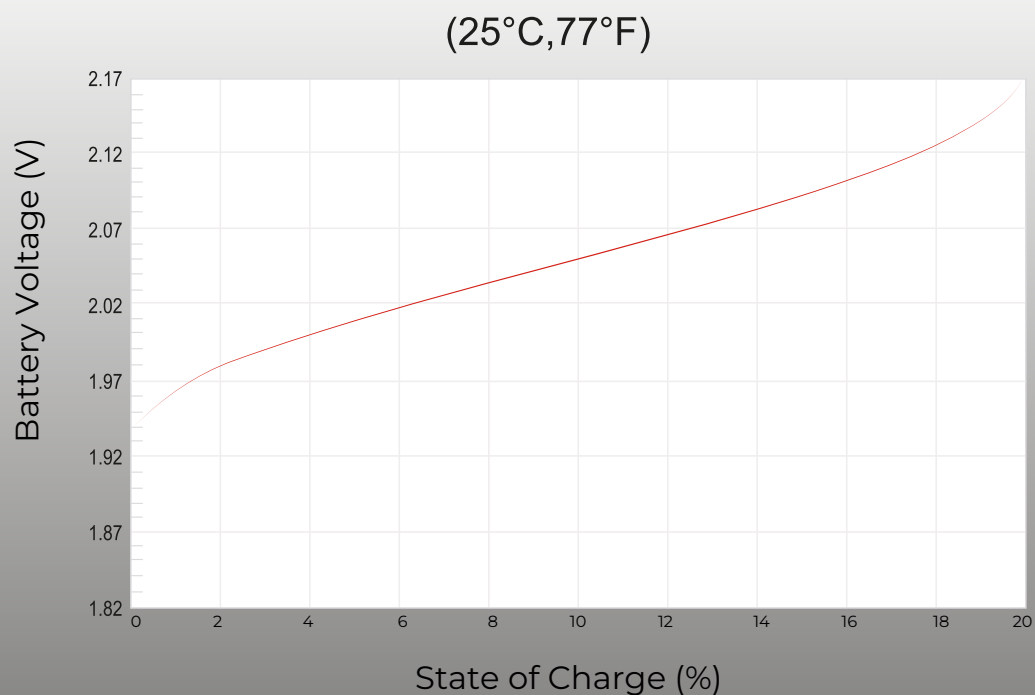
Charging Profiles



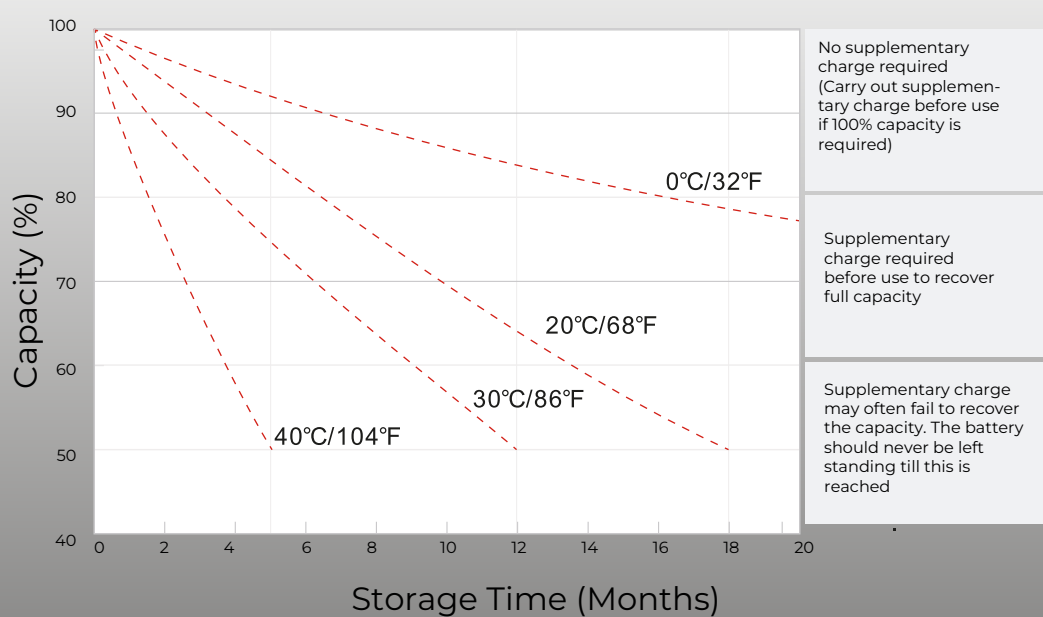
Cycle Life in Relation to Depth Of Discharges



Relationship of OCV and State of Charge



Self Discharge Characteristics



The max Storage time should not be above 15 months



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