

STARMAX



FM FLOOR MACHINE
MOTIVE DEEP CYCLE AGM
BATTERIES

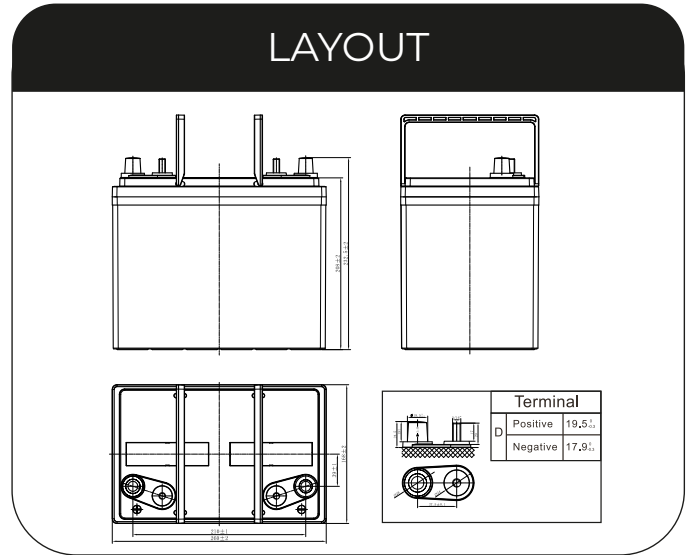
SDC12-220 (12Volts)



www.starmaxbatteries.com

SDC SERIES - SUPERIOR CYCLING NON SPILLABLE

SDC12-220 (12Volts)



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



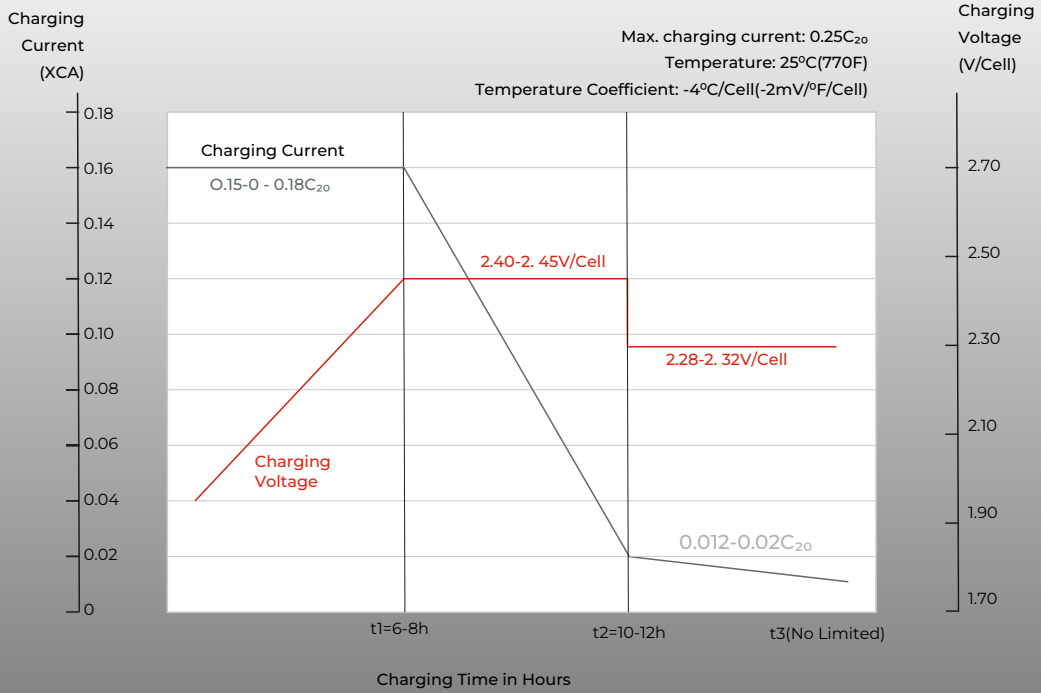
SPECIFICATIONS

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(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	-25~55°C (-4~131°F)	
	Charge	0~40°C (32~104°F)	
	Storage	-15~40°C (5~104°F)	

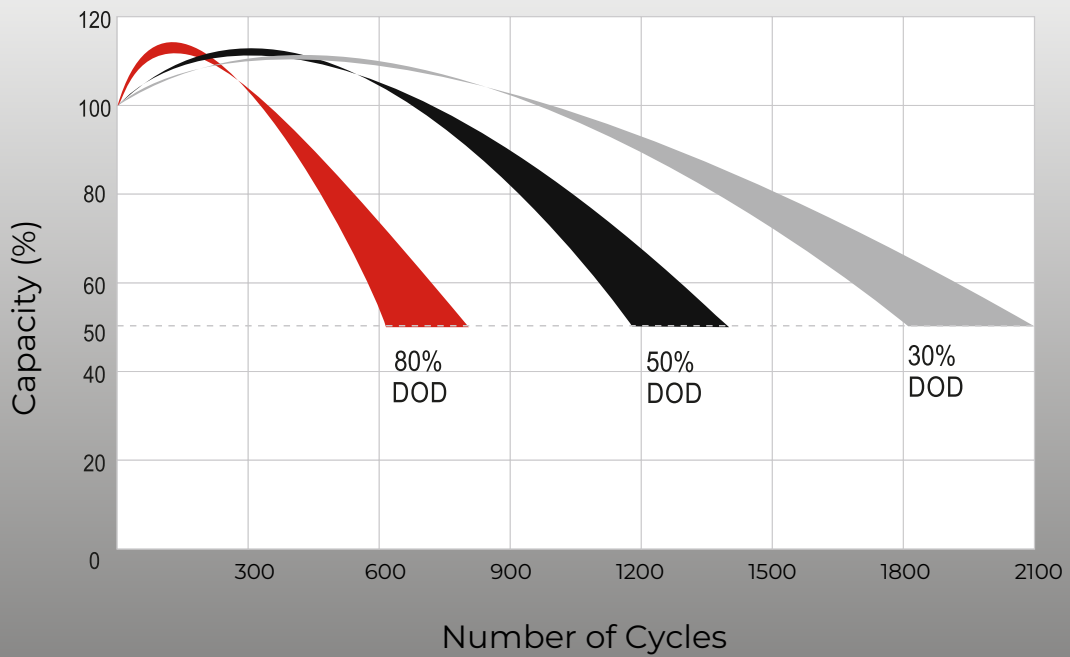
Applications

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

Charging Profiles

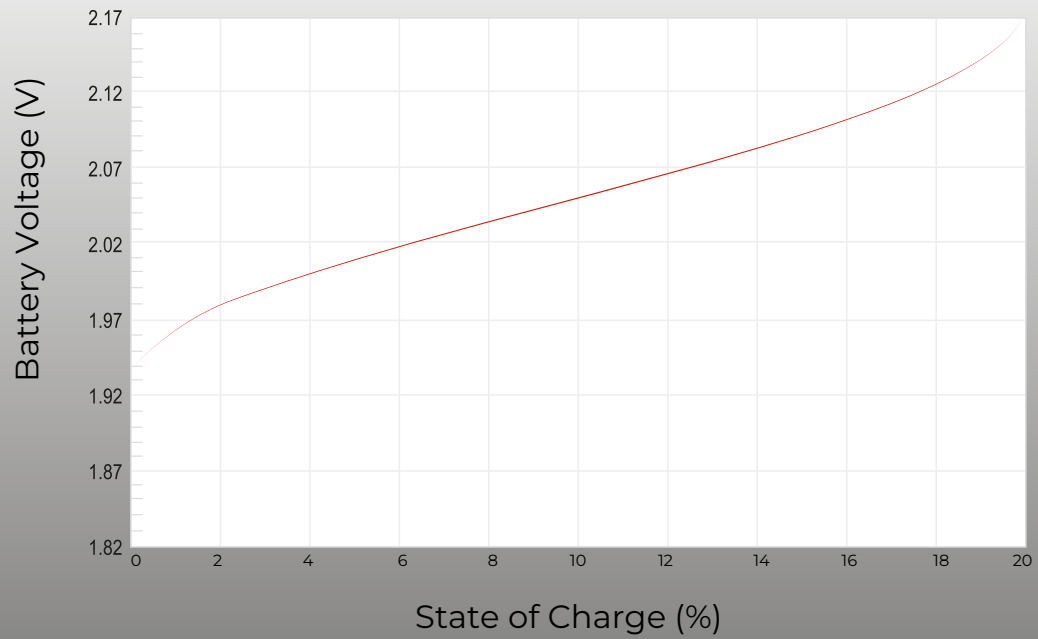


Cycle Life in Relation to Depth Of Discharges

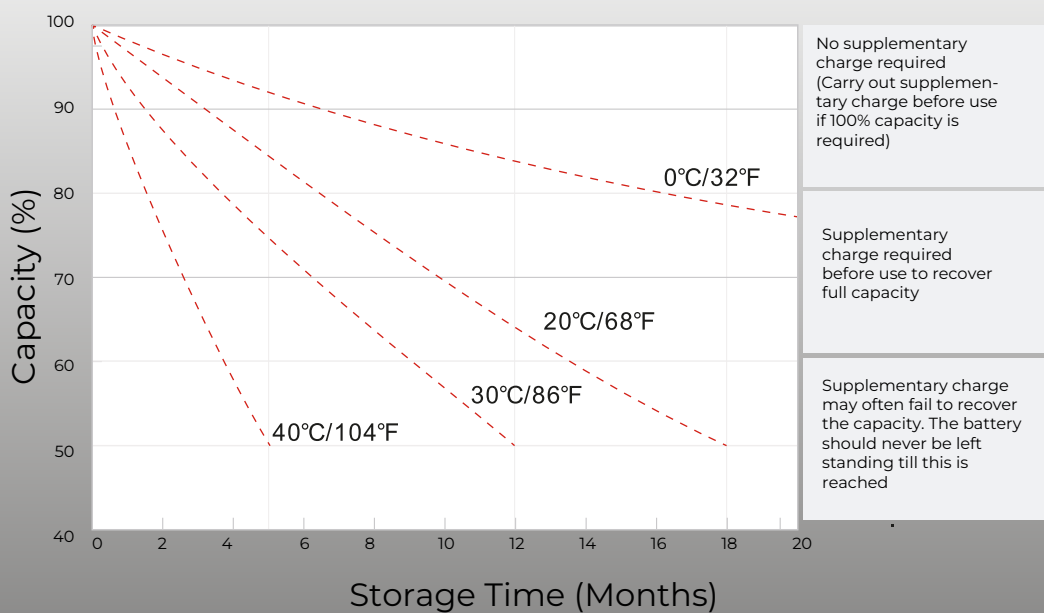


Relationship of OCV and State of Charge

(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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