

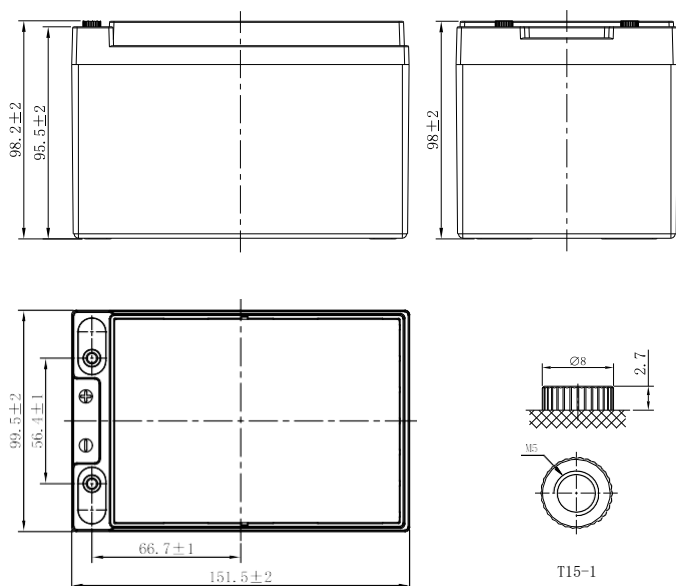
DEEP CYCLE GEL BATTERY

SPG15-12 (12V15Ah)



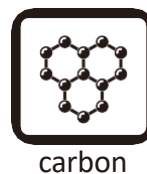
CHARACTERISTICS

Item	Specifications	
Voltage	12V	
Dimension	Length	151.5mm (5.96inches)
	Width	99.5mm (3.92inches)
	Container Height	98.0mm (3.86inches)
	Total Height	98.2mm (3.87inches)
Approx Weight	3.95kg (8.71lbs)	
Terminal	T15-1(M5)	
Container Material	ABS	
Capacity	20HR	15Ah
	5HR	13.5Ah
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

- Electric scooter
- Electric wheelchair
- Electric toys
- Hospitals
- Warehouses
- ETC



Note: Terminal Torque Values in-lb(Nm):17.69-26.55(2.0-3.0)



DEEP CYCLE GEL BATTERY

SPG15-12 (12V15Ah)



GENERAL FEATURES

Stable initial capacity

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

Less water loss

- PAM/NAM amount optimization
- New PAM/NAM recipe introduced
- Rare earth alloy

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

Delay PAM softening and shedding

- Plate assembly pressure re-engineering
- 4BS crystal paste mixing & curing technology
- Higher paste density

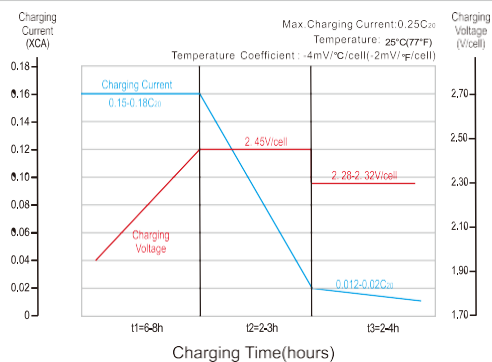
Optimize electrolyte stratification

- Introduce GEL technology

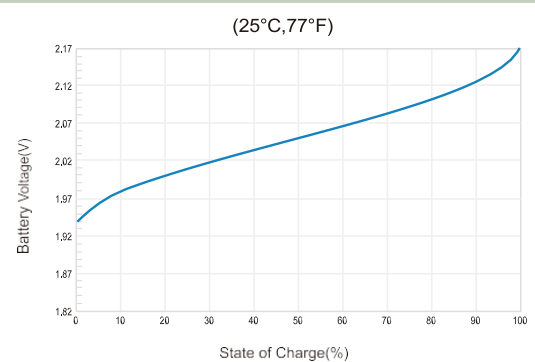
Excellent deep cycle performance

- Plate assembly pressure re-engineering
- New PAM/NAM recipe introduced
- Gel electrolyte technology
- Rare earth alloy
- Double layer separator technology
- Lower acid filling temperature

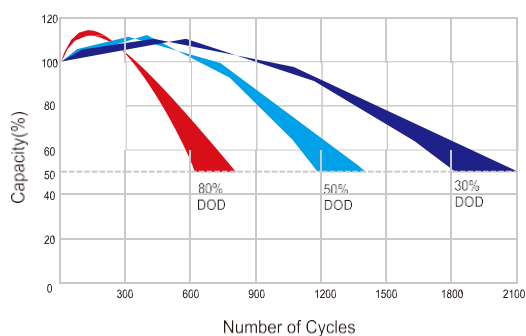
Charging Profiles



Relationship of OCV and State Of Charge



Cycle Life in Relation to Depth Of Discharges



Self-discharge Characteristics

