

EV8-180

8V180Ah / 10hr rate



Introduction

Generagy EV AGM Series is designed for tough applications and repeated deep discharging. It is superior with the long cycle life, large current discharge capability, high reliability and safety. The range is the definitive choice for golf cart, electric medical equipment, automated guided vehicles (AGV), aerial lifts, floor cleaning equipment, robotics applications.

Battery Features

- Extra long cycle life and resistance to mechanical stress and the elements all in one battery.
- Maintenance-free
- Very high purity lead (purity rate 99.994%)
- Traction heavy duty grid design gives consistent active material adhesion and corrosion resistance.
- Fully tank formed plates for evenly formed and capacity matched plates.
- Low impurity electrolyte
- Recognized gas recombination efficiency greater than 99.9%
- Flame arresting pressure regulated safety sealing valves for safety.
- Low self-discharge
- Classified as non-spillable and not restricted for transportation by
 - > Air (IATA/ICAO provision 67)
 - > Surface (DOT-CFR-HMR49)
 - > Water (per IMDG amendment 27)

Electrical Specification

Design Life Cycles @ 80% D.O.D. (25°C) 450 Cycles

Nominal Capacity @ 25°C /77°F

100	hour rate	2.16 A to 1.75Vpc	.....	216 Ah
10	hour rate	18 A to 1.75Vpc	.....	180 Ah
5	hour rate	32.4 A to 1.75Vpc	.....	162 Ah
3	hour rate	48 A to 1.70Vpc	.....	144 Ah
1	hour rate	108 A to 1.60Vpc	.....	108 Ah

Minutes of Discharge

25A to 7.0V	.....	370	56A to 6.8V	.....	145
75A to 6.8V	.....	100	85A to 6.8V	.....	81
100A to 6.8V	.....	63			

Cranking Amps

0°C /32°F 930 -18°C /0°F 770

Internal Resistance

(Fully charged battery @ 25°C /77°F) 5 mΩ

Max. Discharge Current @ 25°C /77°F1000 A (5S)

Charge Methods: Constant voltage charge @ 25°C /77°F

Cycle Use	.....	9.8~ 9.93 V
Max. Current	.....	45 A
Standby Use	.....	9.07 - 9.2V

Operating Temperature Range -20 ~ 60°C

Notes: battery voltage must be adjusted according to temperature.

Please refer to our recommendation.

Self-Discharge

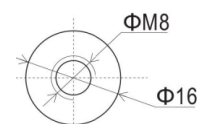
3% of capacity declined per month @ 25°C (77°F).

Battery Picture & Terminal Layout

ABS Case Colour
7628C



Terminal Type: T14



Dimension & Weight

Length	Dimension (± 2mm)			Total Height	Weight (± 2%)
	Width	Height			
260 mm	180 mm	295 mm	300 mm	39 kg	
10.2 inch	7.1 inch	11.6 inch	11.8 inch	86.0 lbs	

Typical Applications

- Golf Cart
- Tour Bus
- Electric Medical Equipments
- Aerial and Fork Lifts
- Golf Trolley
- Sweeper
- Floor Cleaning Machines
- Marine and RV

Certificates

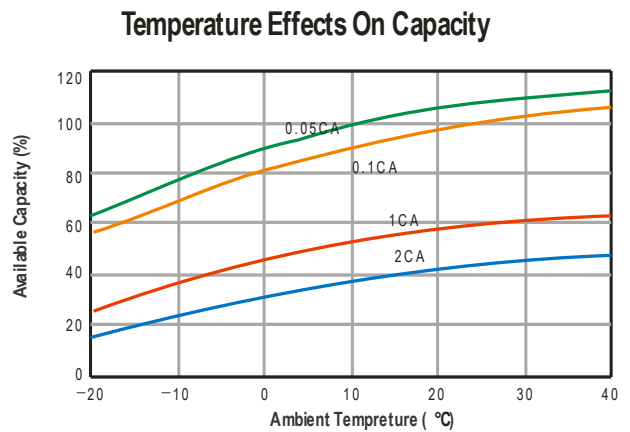
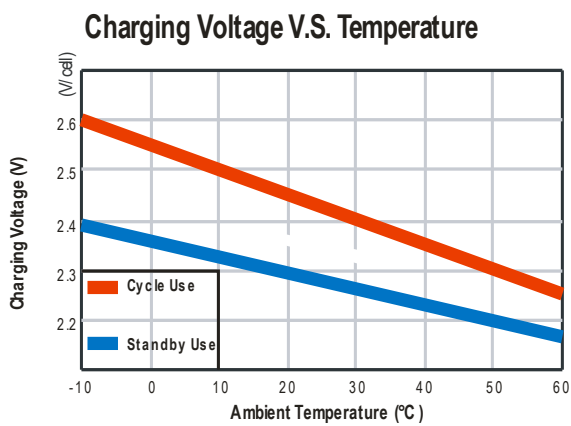
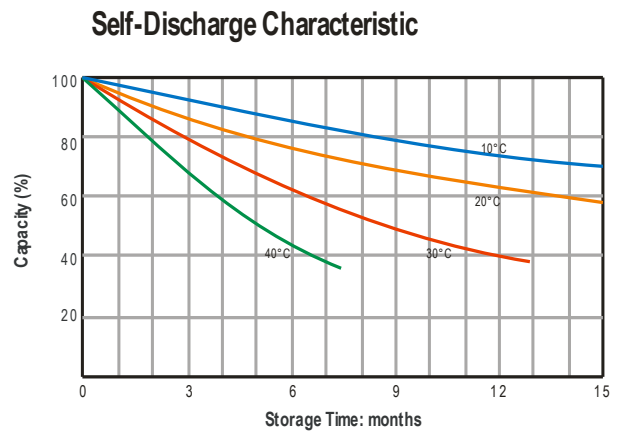
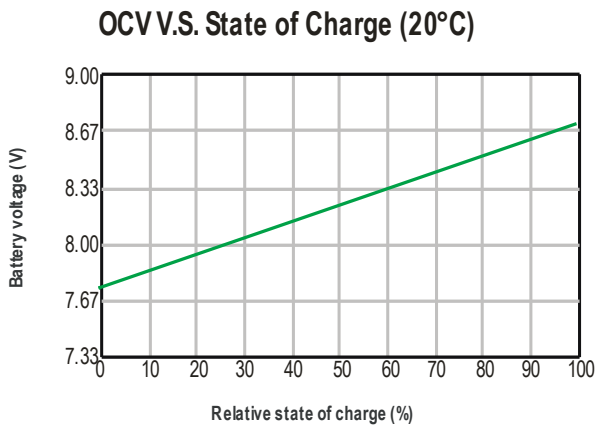
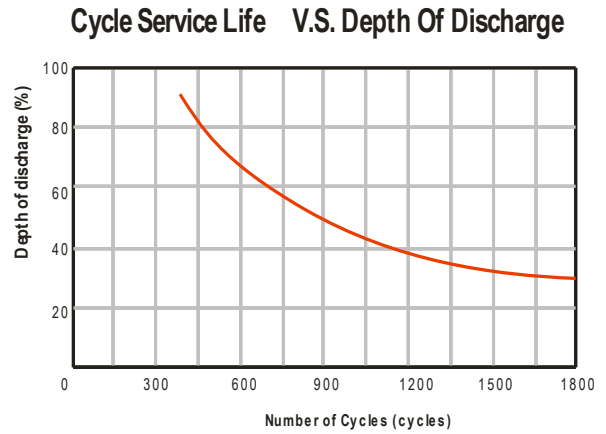
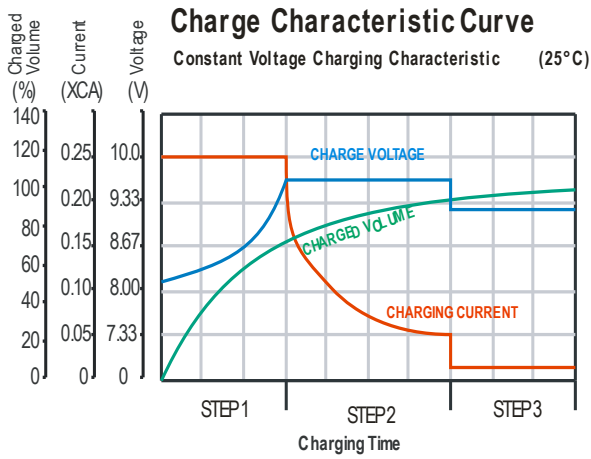


EV8-180

8V180Ah / 10hr rate



Graphs



Subject to revision without notice. Please contact our sales representatives for latest version.