

EV12-160

12V160Ah / 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	1.92A to 1.75Vpc	.....	192 Ah
10	hour rate	16 A to 1.75Vpc	.....	160 Ah
5	hour rate	28.8 A to 1.75Vpc	.....	144Ah
3	hour rate	42.6A to 1.70Vpc	.....	128Ah
1	hour rate	96 A to 1.60Vpc	.....	96Ah

Minutes of Discharge

25A to 10.5V	.....	330	56A to 10.2V	.....	128
75A to 10.2V	.....	89	85A to 10.2V	.....	72
100A to 10.2V	.....	56			

Cranking Amps

0°C /32°F 830 -18°C /0°F 690

Internal Resistance

(Fully charged battery @ 25°C /77°F) 6 mΩ

Max. Discharge Current @ 25°C /77°F 960 A (5S)

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

Cycle Use 14.7 ~ 14.9V

Max. Current 40 A

Standby Use 13.6 - 13.8V

Operating Temperature Range -20 ~ 60°C

Notes: battery voltage must be adjusted according to temperature.

Please refer to our recommendation.

Self-Discharge

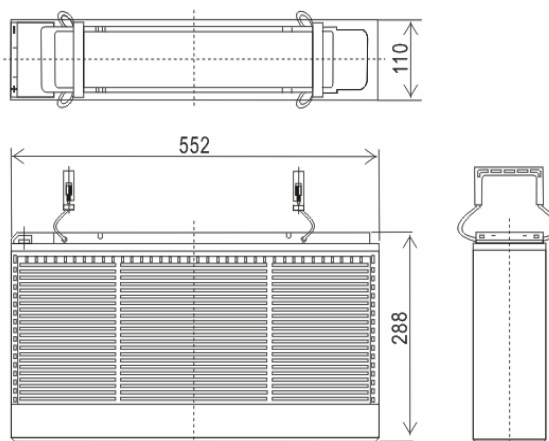
3% of capacity declined per month @ 25°C (77°F).

Battery Picture & Terminal Layout

ABS Case Colour
7628C



Terminal Type: T



Dimension & Weight

Length	Dimension (± 2mm)			Total Height	Weight (± 2%)
	Width	Height	Height		
552 mm	110 mm	288 mm	288 mm	49.5 kg	
21.7 inch	4.3 inch	11.3 inch	11.3 inch	109.1 lbs	

Typical Applications

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

Certificates

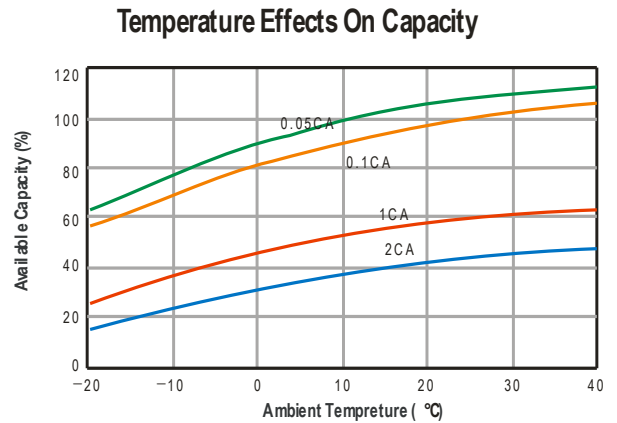
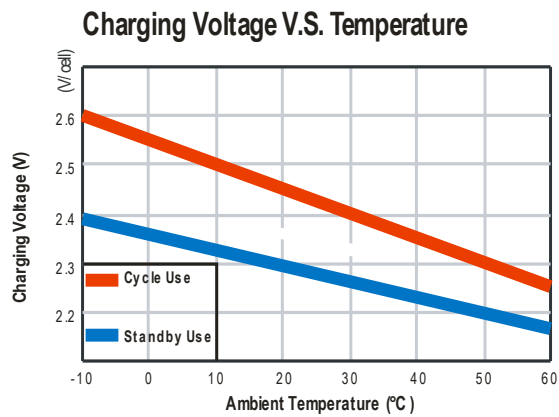
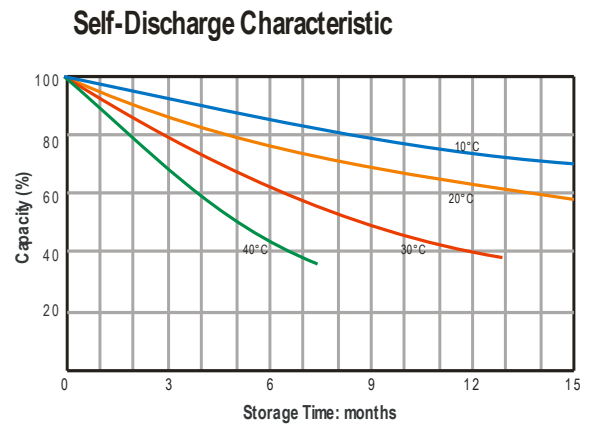
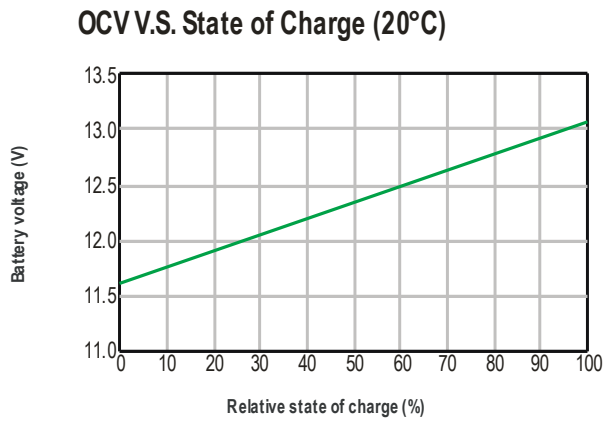
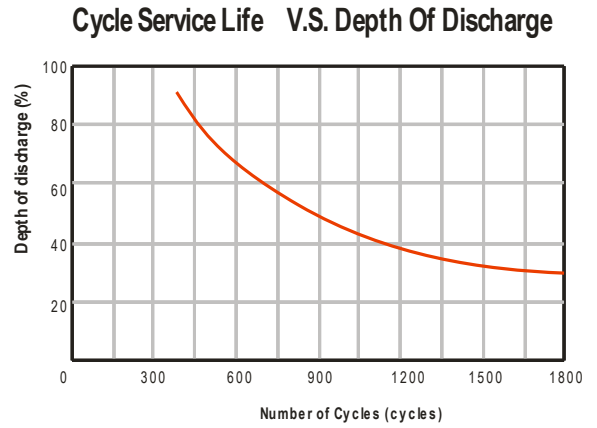
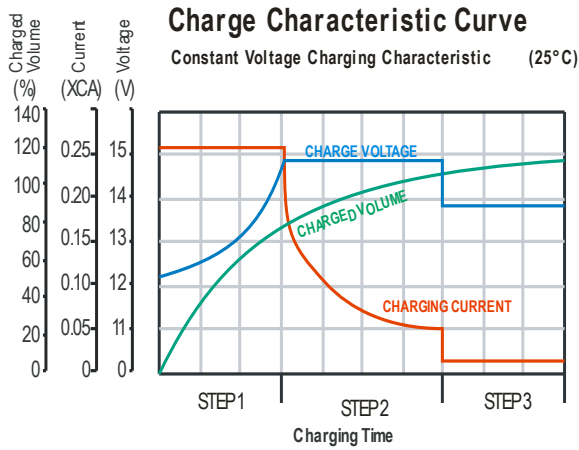


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Graphs



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