

# EV-12100



## Specification

Nominal Voltage		12V
Rated Capacity (25 °C)	20 Hour Rate ( 5.02A to 10. 5V )	100Ah
	10 Hour Rate ( 8.88A to 10.5V )	88.8Ah
	5 Hour Rate ( 16.0A to 10.5V )	80.0AH
Reserve Capacity	@24.6A	180 Minutes
	@59.6A	60Minutes
Dimensions	Length	332mm(13.1 inches)
	Width	174mm(6.85 inches)
	Height	220mm(8.66 inches)
Weight		29.0kg (63.8 lbs)

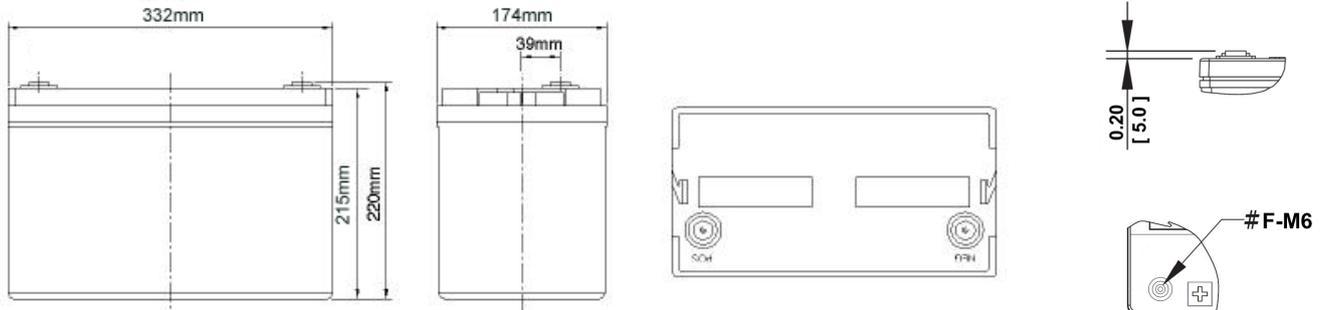
## Characteristics

Capacity Affected by Temperature (20 HR)			Self Discharge 25°C ( 77°F )	Max.Discharge Current @5 seconds @25°C ( 77°F )	Charging Voltage @25°C ( 77°F )		Container Material
0°C(32°F)	25°C ( 77°F )	40°C ( 104°F )			Cycle	Float	
85%	100%	102%	< 3% /month	1200A	14.4-14.7V	13.6-13.8V	ABS

## Typical Application

- ◇ Electric sightseeing car
- ◇ Scraper
- ◇ Golf cart
- ◇ Electric scooter
- ◇ Marine
- ◇ Electric vehicle
- ◇ Electric forklift
- ◇ Portable Medical device
- ◇ Solar
- ◇ Wheelchair

## Battery Structure and Size



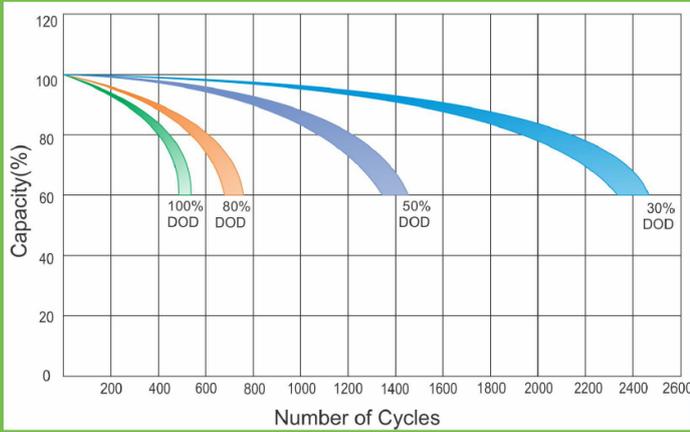
Length: 332mm    Width: 174mm    Height: 220mm

## Key features & Benefits

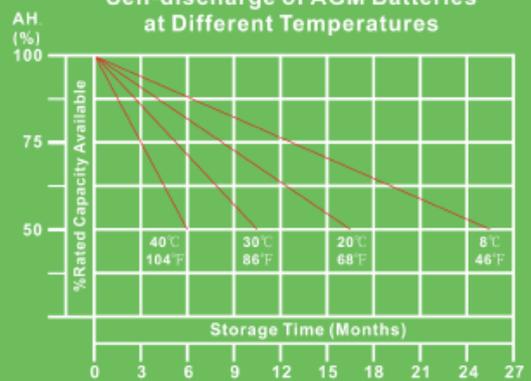
- **Critical pressure control valve** maintains critical internal pressure while safely expelling excess gas generated during overcharging, for longer battery life. 100% tested for highest performance.
- **Exclusive inter cell gasket** prevents inter cell voltage leaks for much lower self-discharge and longer battery life.
- **VRLA recombinant technology- free maintenance** -no watering required High-Compression Absorbed Glass Mat technology (AGM) for greater than 99% recombination efficiency. AGM Technology delivers good cycle life, cranking amps, general power and deep discharge capability.
- **Forged terminal posts and bushings** are completely solid with no porosity, for longer battery life, maximum performance, no leakage of pressure or corrosive gas, and no damage to sensitive electronic equipment.
- **Brushed plate lugs** provide heavier, low-resistance straps with outstanding lug-to-strap knit and eliminate dropped and loose plates that reduce performance and shorten battery life.
- **Heavy-duty plates with high-density deep-cycle oxide** provide quick recharge-ability and superior deep-cycle and float performance in the most demanding applications.
- **Tank formed plates** offer optimal computerized formation, additional quality control and improved voltage matching.
- **Deep-cycle grids** direct current to the terminals for maximum power and performance.
- **High Tin grid alloy** reduces gassing and retards corrosion for maintenance-free performance and longer battery life. Ideal for installation near sensitive electronic equipment.
- **Reinforcing fiberglass mat** prevents mousing or short circuits around the edges of the plates for longer battery life.
- **Premium glass mat separators** reduce gassing and electron flow, providing more power-per-pound.
- **More than 250 quality control checks.** Everexceed's EV range of deep-cycle motive batteries provide efficient and sustainable vehicle operations with minimal running costs over a long, free-maintenance service life. All Everexceed batteries are powered by **Germany technology**.

**Performance Characteristics**

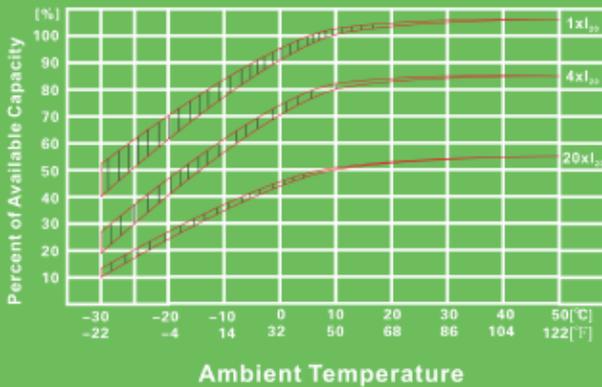
**Cycle Life in Relation to Depth of Discharge**



**Self-discharge of AGM Batteries at Different Temperatures**



**Capacity vs Operating Temperature**



**Constant Charging Voltage**

