

### Physical Specification

Nominal Voltage	12V
Length	306±2mm(12.05inches)
Width	168±2mm(6.61inches)
Container Height	208±2mm(8.19inches)
Total Height	214±2mm(8.43inches)
Wet Weight	Approx 27.3Kg(60. 2lbs)
Standard Terminal	T6-A
Container Material	ABS



### Electrical Specification(25°C 7°F)

BCI Group Size	Type	Nominal Voltage	Reserve Capacity (Minutes)		Rate Capacity (Amp hours)			
			25 Amps	75 Amps	5-Hr Rate	10-Hr Rate	20-Hr Rate	100-Hr Rate
27	EV12105	12	220	55	96	104	108	110

### Operation Temperature

Operation Temperature Range	Discharge	Charge	Storage
	-15~50°C (5~122°F)	0~40°C (32~104°F)	-15~40°C (5~104°F)

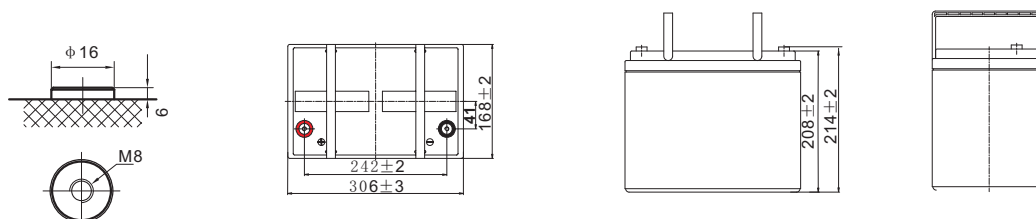
### Charge Methods: Constant charge voltage @ (25°C 7°F)

Usage	Max. Charge Current	Charge Voltage	Temperature compensation
Standby Use	26.3Amps	13.6V~13. 8V	-20mV/°C
Cycle Use	26.3 Amps	14.4V~14.7V	-30mV/°C

### Construction

#### ■ T6-A Terminal

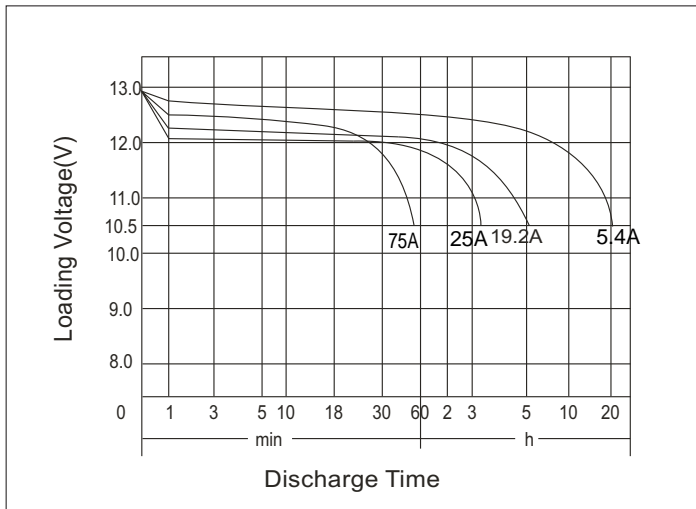
Unit: mm



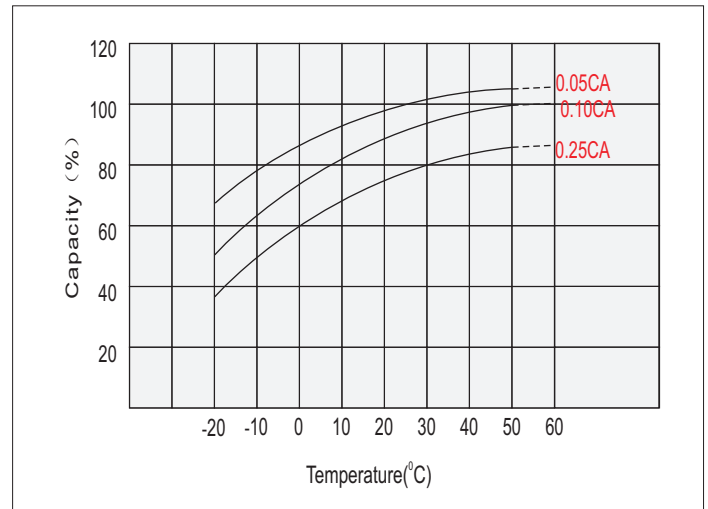
## Features & Benefits

- ◆ High purity lead calcium alloy, maintenance free and less water losing.
- ◆ Private grid construction design and paste recipe, high charging acceptance ability
- ◆ Strength-enhanced containers and lids are made of ABS to keep tight assembly of batteries
- ◆ AGM separator, no fluid electrolyte, guarantees oxygen recombination inside the battery
- ◆ Private valve regulated seal construction, safe and reliable
- ◆ Outstanding vibration-resistant, wide operation temperature
- ◆ High capacity design, higher energy density.
- ◆ Lower self-discharge, better storage capability

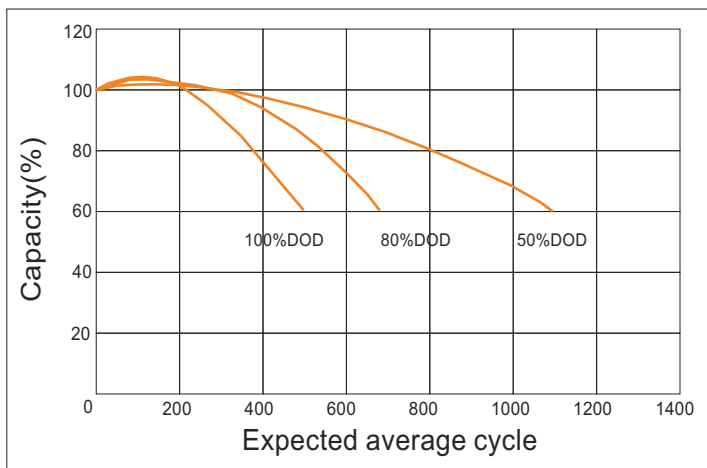
### Discharge Characteristics(25<sup>o</sup>C)



### Temperature Effects in Relation to Battery Capacity



### Cycle life in relation to depth of discharge



### Self Discharge Characteristics

