

Gel Series

Gel series batteries are designed to meet the requirements of frequent cyclic and high temperature applications such as broadband, PVs etc through up-to-date gel technologies. BOSFA Gel batteries uses German origin high purity fumed silica to form sulfuric acid thixotropic Gel and fills to the batteries with vacuum to ensure the fully penetration of electrolyte through separators and plates pastes.

Application

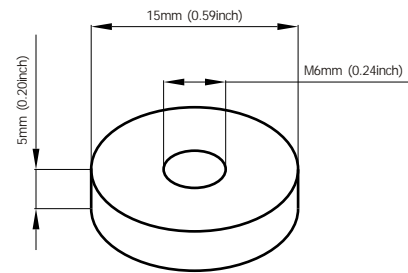
- Alarm System
- Cable Television
- Communication Equipment
- Control Equipment
- Security System
- Medical Equipment
- UPS
- Power tools
- Emergency Power System
- Toys

General Features

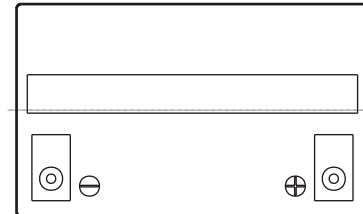
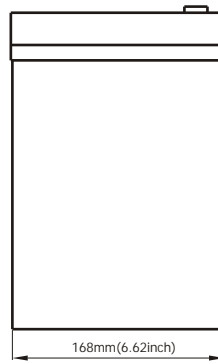
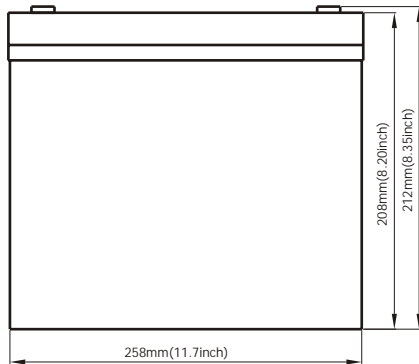
- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.
- Flexibility design for multiple install positions.

Construction

Component	.....Raw material	Sealant	.....Epoxy Resin
Positive	.....Lead dioxide	Safety valve	.....EPDR
Negative	.....Lead	Terminal	.....Copper
Container	.....ABS	Separator	.....Macromolecule polymer
Cover	.....ABS	Electrolyte	.....sulfuric acid thixotropic Gel



Terminal Dimensions



Battery Model	GEL12-75			
Designed Life	10 Years (Floating) or > 750 Cycles @ 50% D.O.D			
Capacity(25°C)	20HR(3.86A,1.75V)	10HR(7.5A,1.75V)	5HR(12.4A,1.75V)	1HR(45A,1.75V)
	77.2AH	75AH	62AH	45AH
Dimensions	Length	Width	Height	Total Height
	258mm(11.73inch)	168mm(6.62inch)	208mm(8.20inch)	212mm(8.35inch)
Approx. Weight	24Kg (52.8 lbs)			
Internal Resistance	Full charged at 25°C: 0.0055 Ohm			
Self Discharge	3% of capacity declined per month at (25°C)			
Capacity Affected by Temp.(20HR)	40°C	25°C	0°C	-15°C
	102%	100%	85%	65%
Charge Voltage(25°C)	Cycle use		Float use	
	14.4-15V(-30mV/ °C), max. Current: 18.75A		13.6-13.8V(-20mV/ °C)	