

# ORION 12V/12Ah AGM BATTERY

## AGM BATTERIES



AGM (Absorbent Glass Mat) technology, high performance plates, and electrolyte are employed in the General Series Valve Regulated Lead Acid batteries' design to increase power output for common power backup system applications, which are frequently used in the UPS and Emergency Lighting System industries.

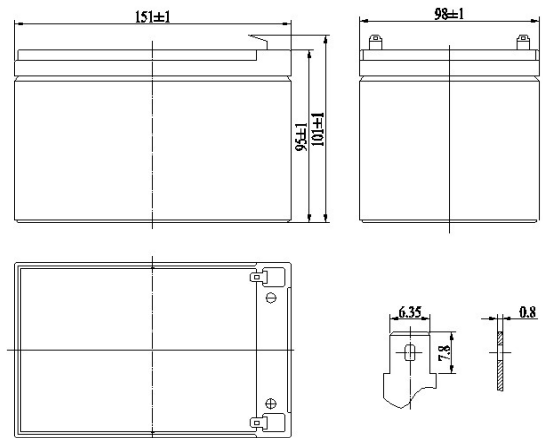


### Features

- Sealed and conservation free operation.
- Non-Spillable construction design.
- ABS holders and covers optional.
- Safety stopcock installation for explosion evidence.
- High quality and high trustability.
- Exceptional deep discharge recovery performance.
- Low tone discharge specific.
- Inflexibility design for multiple install positions.

### Applications

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



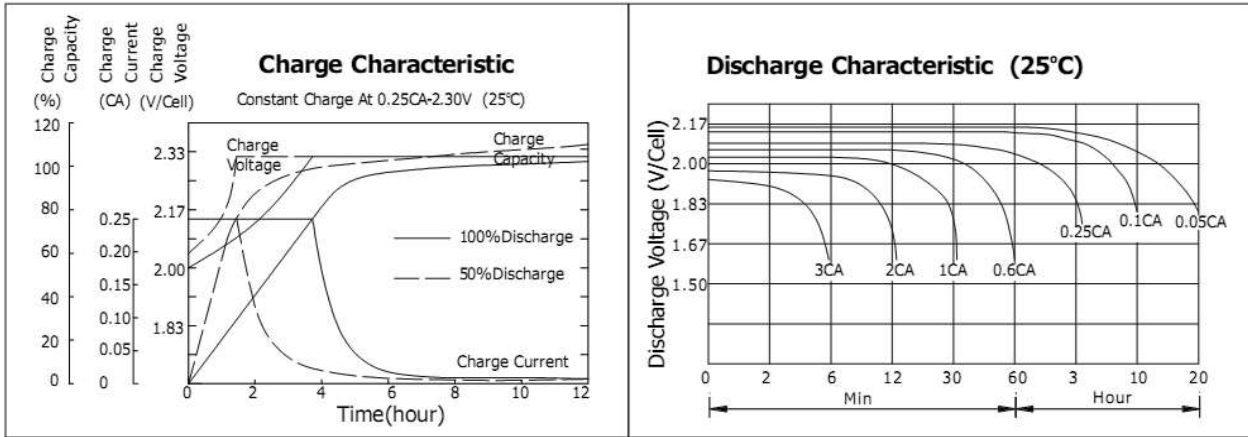
### Technical Specification

Battery model	ORN 12120 - 12V/12AH			
Designed Floating Life	3~5 Years			
Capacity (25°C)	20hR(0.6A, 10.5V)	10hR(1.14A, 10.5V)	5hR(2.06A, 10.5V)	1hR(8.09A, 9.60V)
	12.0Ah	1.14Ah	10.3Ah	8.09Ah
Dimensions	Length	Width	Height	Total Height
	151±1mm	98±1mm	95±1mm	101±1mm
Approx. weight (±5%)	3.45 Kg			
Internal resistance	Full charged at 25°C: Approx. 18mOhms			
Self discharge	3% of capacity declined per month at 25°C (average)			
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	
	14.4-15.0V(-30mV/°C), max. Current: 3.6A		13.5-13.8V(-20mV/°C)	

## Construction

Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Lead	Fiberglass	Sulfuric acid

## Charge / Discharge Curve



## SoC & Cycle Life

