ORION 12V/2.3Ah AGM BATTERY

AGM BATTERIES

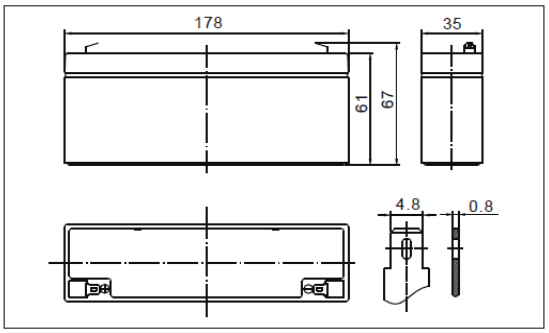
AGM (Absorbent Glass Mat) technology, high performance plates, and electrolyte are employed in the General Series Valve Regulated Lead Acid batteries' design to increase power output for common power backup system applications, which are frequently used in the UPS and Emergency Lighting System industries.

Features

· Sealed and conservation free operation.
·Non-Spillable construction design.
· ABS holders and coversoptional.
· 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

· Toys
· Home Appliances
· Consumer Electronics
· Alarm System
· UPS
· Medical Equipment



Technical Specification

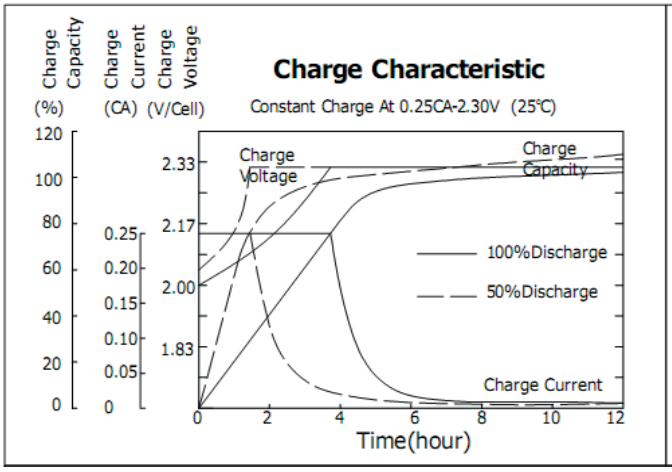
Battery model	ORN-1223			
Designed Floating Life	3~5 Years			
Capacity (25°C)	20hR(0.115A, 10.5V)	10hR(0.218A, 10.5V)	5hR(0.39A, 10.5V)	1hR(1.55A, 9.60V)
	2.3Ah	2.18Ah	1.95Ah	1.55Ah
Dimensions	Length	Width	Height	Total Height
	178±1mm	35±1mm	61±1mm	67±1mm
Approx. weight (±5%)	0.9Kg			
Internal resistance	Full charged at 25°C: Approx. 75mOhms			
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(-15mV/°C), max. Current: 0.60A		13.5-13.8V(-20mV/°C)	

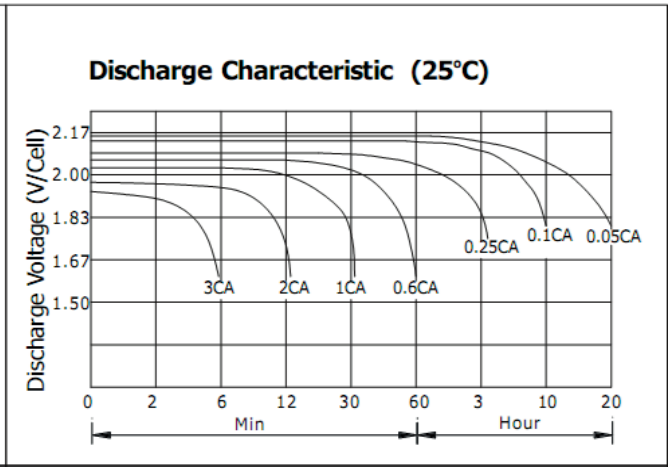
0(212) 320 99 84
pilsanelektronik.com.tr
info@pilsanelektronik.com
Pilsan Plaza, Esenkent Mah.
Erzincan Cad. No:22
Dudullu OSB Ümraniye / İstanbul

Construction

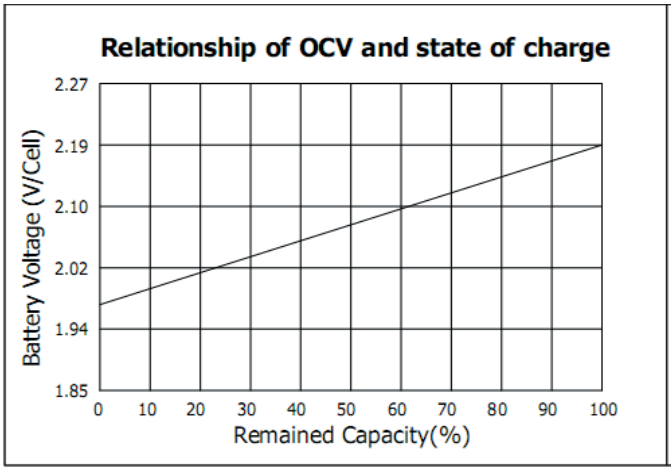
Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Lead	Fiberglass	Sulfuric acid

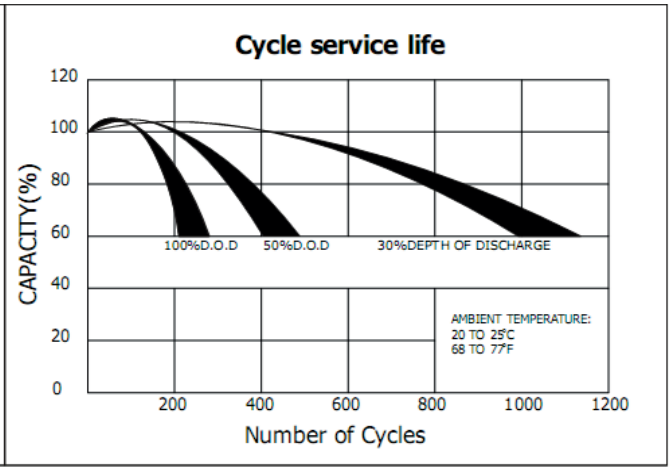
Charge / Discharge Curve





SoC & Cycle Life





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