

12V/9AH VRLA Battery

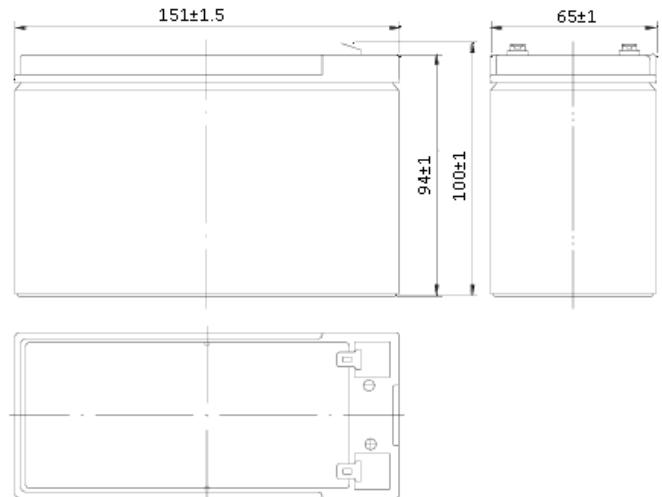
Product Overview

Alston Systems Valve Regulated Lead Acid Batteries are small volume, lightweight, and high discharge efficiency. Absorbed glass mat (AGM) design is used & are designed for high power density & long life applications.

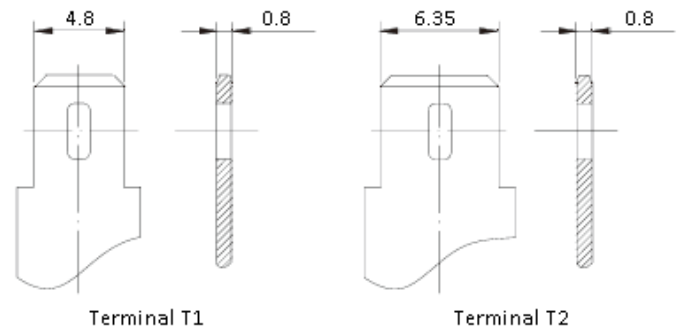


Nominal Voltage		12 V
Capacity (25°C)	10HR(10.5V)	9AH
	5HR(10.5V)	8.4AH
	1HR(9.60V)	5.8AH
Dimensions	Length	151±1.5mm (5.94inch)
	Width	65±1mm (2.56inch)
	Height	94±1mm (3.70inch)
	Total Height	100±1mm (3.94inch)
Approx. Weight		2.60kg (4.80lbs)±5%
Terminal type		T1/T2
Internal resistance (Fully charged, 25°C)		Approx. 19mΩ
Capacity affected by temperature (10HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
Nominal operating Temperature		25°C±3°C(77°F±5°F)
Operating temperature range	Discharge	-15°C ~ 50°C(5°F ~ 122°F)
	Charge	-10°C ~ 50°C(14°F ~ 122°F)
	Storage	-20°C ~ 50°C(-4°F ~ 122°F)
Float charging voltage(25°C)		13.60 to 13.80V Temperature compensation: -18mV/°C
Cyclic charging voltage(25°C)		14.50 to 14.90V Temperature compensation: -30mV/°C
Maximum charging current		2.7A
Terminal material		Copper
Maximum discharge current		135A (5 sec.)
Designed floating life(20°C)		5years

Dimensions



Terminal



Constant Power Discharge Characteristics (Watt, 25°C)											
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	10HR	20HR
1.60V	61.11	39.95	30.31	18.23	10.85	6.49	4.75	3.8	3.22	1.79	0.94
1.65V	60.47	39.79	30.14	18.09	10.76	6.44	4.72	3.77	3.2	1.77	0.93
1.70V	58.16	38.62	29.32	17.65	10.52	6.33	4.65	3.72	3.15	1.75	0.92
1.75V	55.31	37.17	28.33	17.12	10.22	6.19	4.55	3.65	3.1	1.72	0.91
1.80V	51.27	35.04	26.88	16.36	9.8	5.99	4.42	3.55	3.02	1.69	0.89

Ordering Information

Part Number	Description
91120093	Alston Systems, 12V/9AH VRLA Battery