

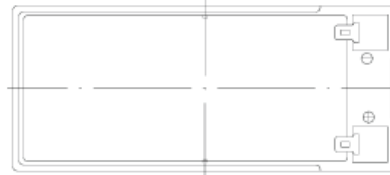
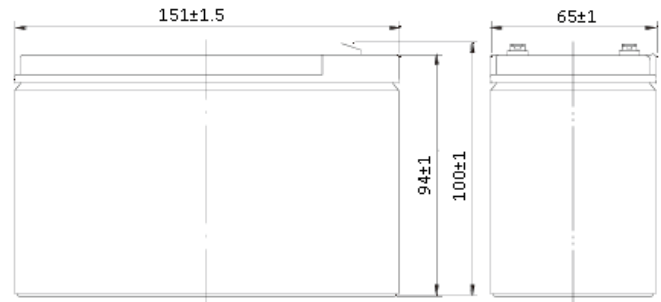
12V/7AH VRLA Battery

Product Overview

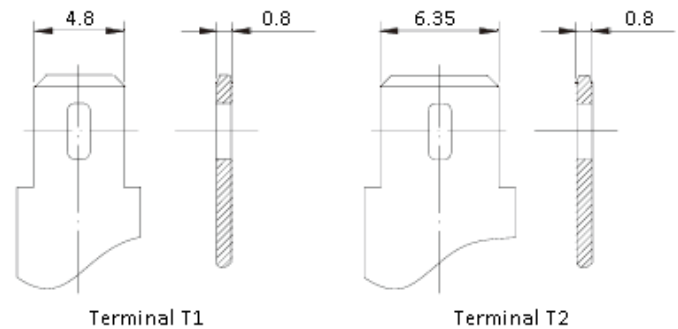


Nominal Voltage		12 V
Capacity (25°C)	10HR(10.5V)	7AH
	5HR(10.5V)	6.6AH
	1HR(9.60V)	4.58AH
Dimensions	Length	151±1.5mm (5.94inch)
	Width	65±1mm (2.56inch)
	Height	94±1mm (3.70inch)
	Total Height	100±1mm (3.94inch)
Approx. Weight		2.05kg (4.80lbs)±5%
Terminal type		T1/T2
Internal resistance (Fully charged, 25°C)		Approx. 28mΩ
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	2.1A	
Terminal material	Copper	
Maximum discharge current	105A (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	47.53	31.07	23.57	14.18	8.43	5.04	3.69	2.96	2.51	1.39	0.73
1.65V	47.03	30.95	23.44	14.07	8.36	5.00	3.67	2.94	2.49	1.38	0.72
1.70V	45.23	30.03	22.81	13.73	8.18	4.93	3.61	2.9	2.46	1.36	0.72
1.75V	43.02	28.92	22.04	13.31	7.95	4.82	3.54	2.84	2.42	1.34	0.71
1.80V	39.88	27.25	20.91	12.73	7.62	4.67	3.43	2.77	2.35	1.31	0.69

Ordering Information

Part Number	Description
91120073	Alston Systems, 12V/7AH VRLA Battery