

**POWER SOLUTIONS**

**12V/80AH VRLA Battery**

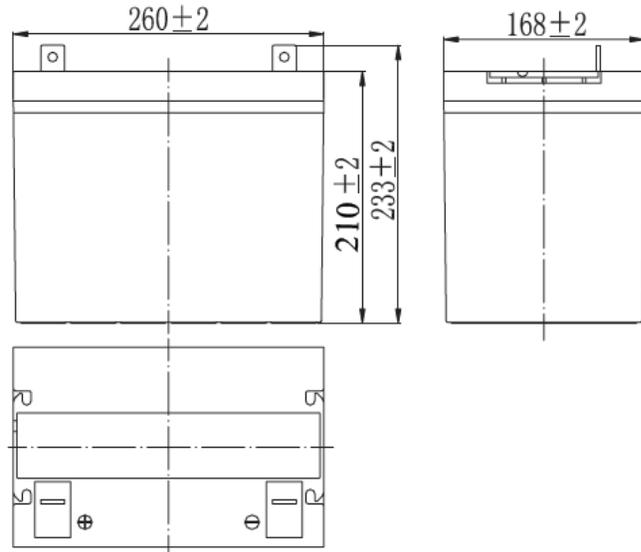
**Features**

- ABS container
- Absorbent glass mat technology

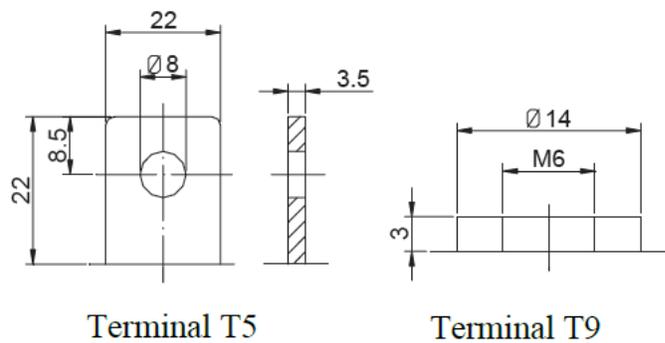


Nominal Voltage		12 V
Capacity (25°C)	10HR(10.8V)	80AH
	5HR(10.5V)	70AH
	1HR(9.60V)	49.6AH
Dimensions	Length	260±2mm (10.24inch)
	Width	168±2mm (6.61inch)
	Height	210±2mm (8.27inch)
	Total Height	T5: 233±2mm (9.17inch) T9: 214±2mm (8.43inch)
Approx. Weight		23.2kg (51.1lbs)±4%
Terminal type		T5/T9
Internal resistance (Fully charged, 25°C)		Approx. 5.5mΩ
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	24A	
Terminal material	Copper	
Maximum discharge current	800A (5 sec.)	
Designed floating life(20°C)	7-10years	

**Dimensions**



**Terminal**



## POWER SOLUTIONS

Constant Current Discharge Characteristics (A, 25°C)											
F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
9.60V	168	132	80.0	49.6	29.2	20.4	16.7	14.3	9.79	8.14	4.28
9.90V	163	129	78.4	48.9	29.1	20.3	16.6	14.2	9.73	8.13	4.27
10.2V	156	124	76.0	47.6	28.8	20.1	16.5	14.1	9.67	8.10	4.25
10.5V	150	120	74.2	46.7	28.4	20.0	16.4	14.0	9.60	8.06	4.23
10.8V	141	114	71.4	45.2	27.6	19.4	15.9	13.6	9.31	8.00	4.20

Constant Power Discharge Characteristics (Watt, 25°C)											
F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
9.60V	1814	1449	898	565	339	240	197	169	116	97.2	51.3
9.90V	1760	1415	880	557	337	238	196	168	116	97.0	51.2
10.2V	1687	1362	853	543	334	237	194	167	115	96.8	51.1
10.5V	1615	1316	832	532	329	235	193	165	114	96.2	50.8
10.8V	1524	1246	802	516	320	228	187	161	111	95.5	50.4

### Ordering Information

Part No	Description
91120803	Alston Systems, 12V/80AH VRLA Battery

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