

## 12V/65AH VRLA Battery

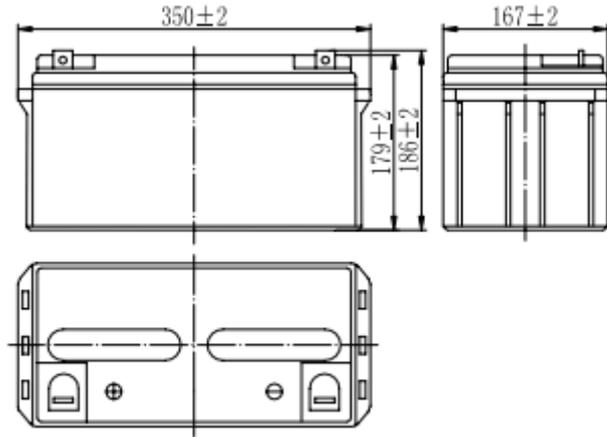
### Product Overview

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.

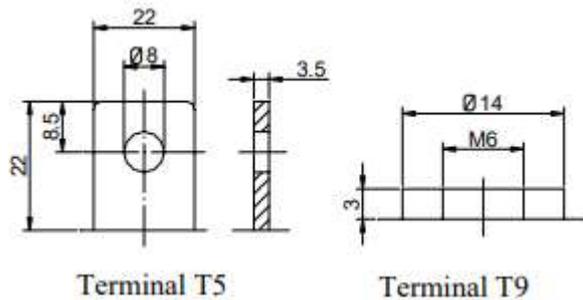


Nominal Voltage		12 V
Capacity (25°C)	10HR(10.5V)	65 AH
	5HR(10.5V)	57 AH
	1HR(9.60V)	40.3 AH
Dimensions	Length	350±2mm (13.78inch)
	Width	167±2mm (6.57inch)
	Height	179±2mm (7.05inch)
	Total Height	T5 : 186±2mm (7.32inch) T9 : 179±2mm (7.05inch)
Approx. Weight		20.8kg (45.9lbs)±4%
Terminal type		T5/T9
Internal resistance (Fully charged, 25°C)		Approx. 6mΩ
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)	13.50 to 13.80V Temperature compensation: -18mV/°C	
Cyclic charging voltage(25°C)	14.50 to 14.90V Temperature compensation: -30mV/°C	
Maximum charging current	19.5 A	
Terminal material	Copper	
Maximum discharge current	650A (5 sec.)	
Designed floating life(20°C)	5years	

### Dimensions



### Terminal



F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	10HR	20HR
1.60V	390.65	274.13	210.15	126.37	76.34	46.36	34.31	28.01	23.74	13.82	7.10
1.65V	386.47	273.03	208.96	125.47	75.71	46.01	34.06	27.8	23.58	13.72	7.06
1.70V	371.74	264.98	203.38	122.39	74.08	45.24	33.52	27.4	23.26	13.56	6.99
1.75V	353.53	255.02	196.42	118.71	71.94	44.24	33.86	26.89	22.86	13.34	6.90
1.80V	327.76	240.40	186.37	113.43	69.00	42.87	31.9	26.16	22.29	13.04	6.77

### Ordering Information

Part Number	Description
91120653	Alston Systems, 12V/65AH VRLA Battery