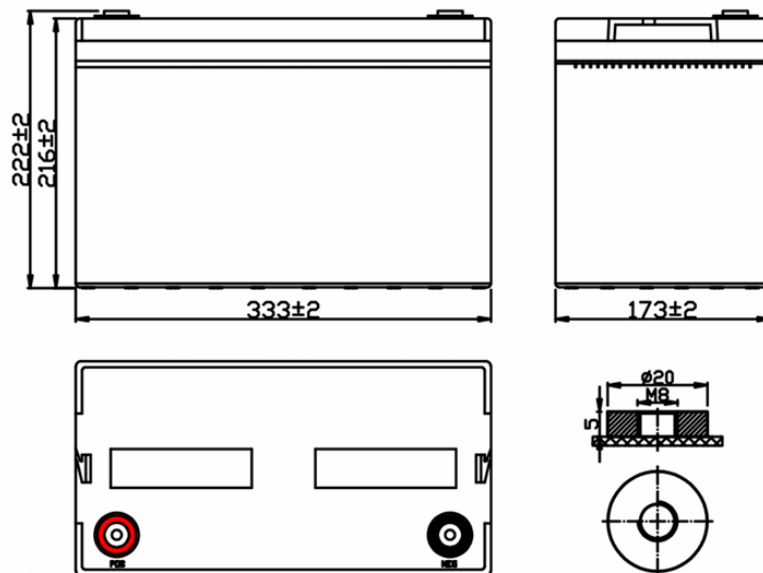
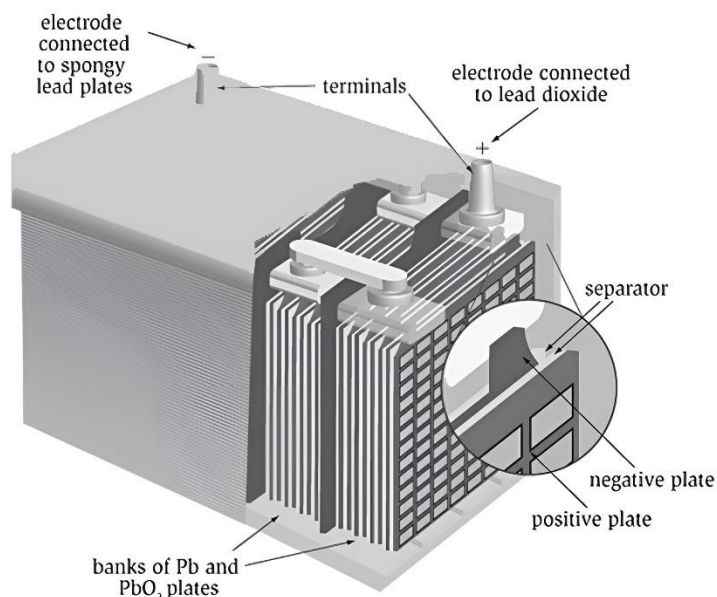


Battery Technical data sheet

AT 12-100 VRLA Battery



Specifications	
Nominal Voltage	12V
Nominal Capacity	100 Ah (10 hr, 25°C)
Approximate Weight	30.5 ± 0.2 kg
Energy Density	97.5 Wh / L
Specific Energy	41.0 Wh / kg
Dimensions	Length(mm): 333±2
	Width(mm): 173±2
	Height(mm): 222±2
Internal Resistance	≤5 mΩ (Full charged battery , 25°C)
Terminals	M8
Operating Temperature Range	Best range: 15 °C ~ 25 °C charging : -15°C ~ 50 °C Discharge: -40 °C ~ 50 °C Storage: -20 °C ~ 40 °C
Equalizing Charge	13.80 V ~ 14.40 V (25 °C)
Float Voltage	13.38 V ~ 13.68 V (25 °C)
Self-Discharge & Storage	1 month: 98 %
	3 months: 91 %
	6 months: 82 %
Case Material	ABS

Battery Technical data sheet

AT 12-100 VRLA Battery

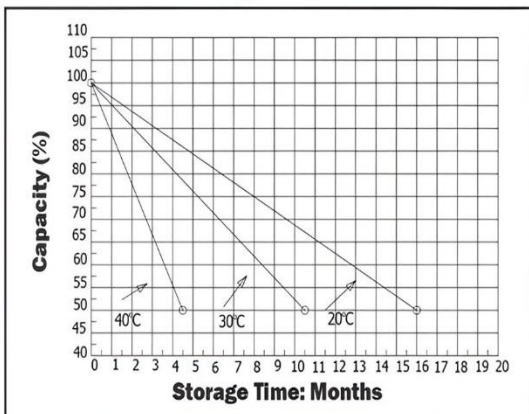
Constant current discharge characteristics (25°C)

Final Voltage	10Min	15Min	30min	60min	2hr	3hr	5hr	8hr	10hr	20hr
1.60 V/Cell	217.8	173.3	106.9	64.4	36.1	26.1	18.3	12.1	10.2	5.4
1.70 V/Cell	206.9	166.3	103	61.8	35.6	25.7	18	12	10.2	5.3
1.75 V/Cell	201	162.4	100	60.5	35.3	25.5	17.8	12	10.1	5.3
1.80 V/Cell	194	158.4	97.8	58.7	34.9	25.2	17.6	11.9	10	5.2

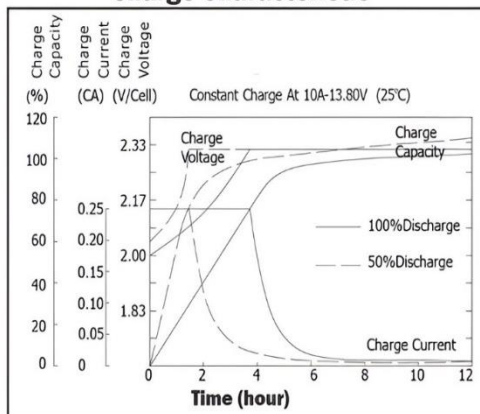
Constant power discharge characteristics (25°C)

Final Voltage	10Min	15Min	30min	60min	2hr	3hr	5hr	8hr	10hr	20hr
1.60 V/Cell	392	317.1	199.9	122.2	69.8	51.1	36.1	24	20.3	10.7
1.70 V/Cell	372.4	304.4	192.5	117.3	68.8	50.4	35.4	23.9	20.1	10.6
1.75 V/Cell	361.6	297	109.9	116.6	68.1	50	34.9	23.9	19.9	10.5
1.80 V/Cell	349.3	289.9	182.9	111.5	67.4	49.5	34.6	23.7	19.7	10.5

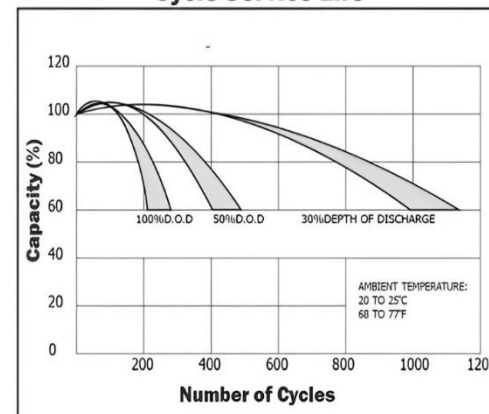
Self Discharge Characteristics



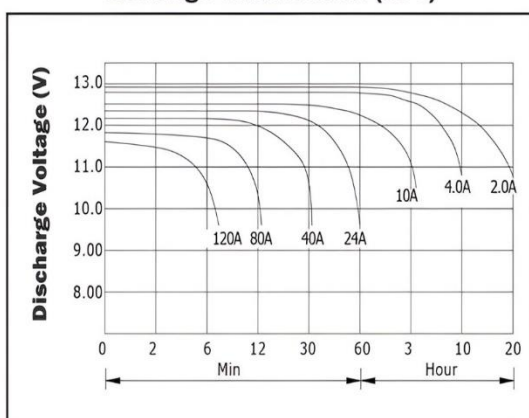
Charge Characteristic



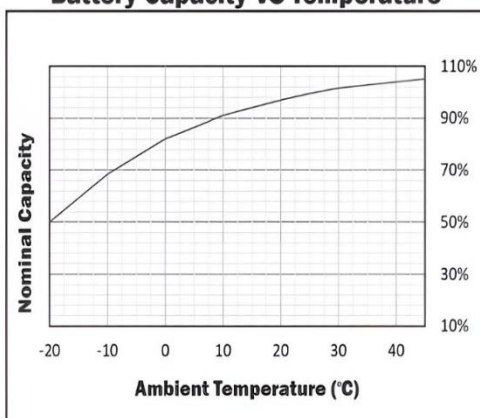
Cycle Service Life



Discharge Characteristic (25°C)



Battery Capacity VS Temperature



Service Life Time

