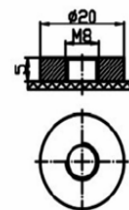
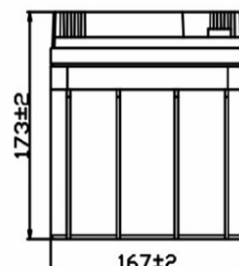
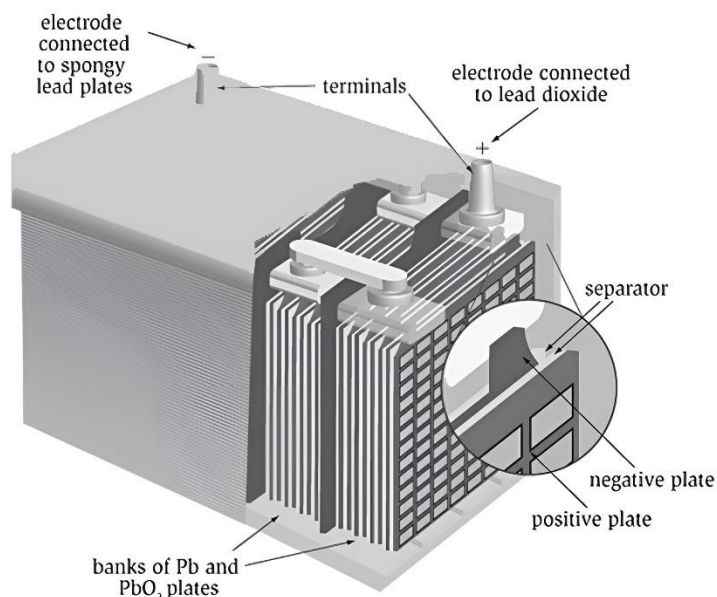


Battery Technical data sheet

AT 12-65 VRLA Battery



Specifications

Nominal Voltage	12V
Nominal Capacity	65 Ah (10 hr, 25°C)
Approximate Weight	20.0 ± 0.2 kg
Energy Density	77.2 Wh / L
Specific Energy	39.4 Wh / kg
Dimensions	Length(mm): 350±2 Width(mm): 167±2 Height(mm): 173±2
Internal Resistance	≤6 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 12-65 VRLA Battery

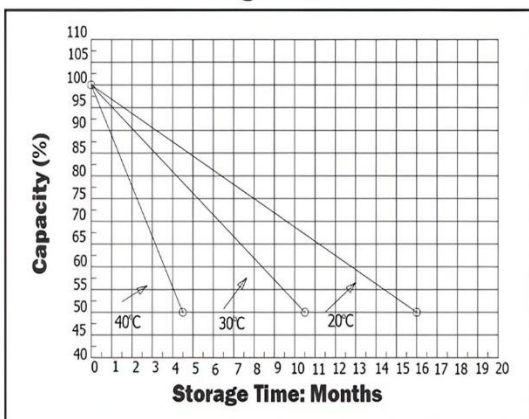
Constant current discharge characteristics (25°C)

Final Voltage	5Min	10Min	15min	30min	1hr	2hr	3hr	5hr	8hr	10hr	20hr
1.60 V/Cell	197.2	137.6	105.8	64.4	39.4	22.8	16.1	11.3	7.6	6.9	3.5
1.70 V/Cell	187.6	130.8	102	61.09	37.9	22.5	15.9	11.1	7.5	6.8	3.5
1.75 V/Cell	182.8	127	99.1	60.06	37	22.3	15.7	11	7.5	6.7	3.4
1.80 V/Cell	176	123.1	96.2	58.8	36	22.0	15.6	10.9	7.4	6.6	3.3

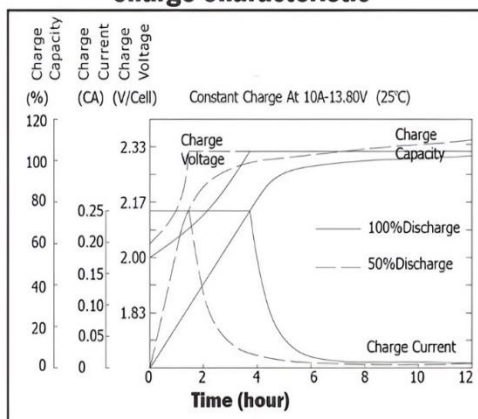
Constant power discharge characteristics (25°C)

Final Voltage	5Min	10Min	15min	30min	1hr	2hr	3hr	5hr	8hr	10hr	20hr
1.60 V/Cell	345	247.5	193.6	120.5	74.8	43.9	31.4	22.11	15.05	12.7	6.8
1.70 V/Cell	327	235.1	185.8	115.7	71.9	43.28	31.1	21.8	14.9	12.6	6.7
1.75 V/Cell	319.8	228.4	181.1	114.5	70.2	42.9	30.78	21.65	14.8	12.4	6.6
1.80 V/Cell	308	221	176.6	109.9	68.3	42.4	30.6	21.4	14.7	12.4	6.5

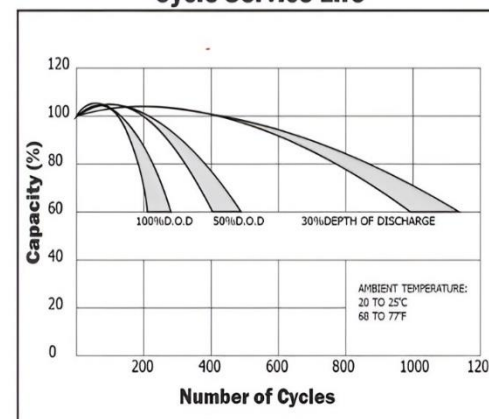
Self Discharge Characteristics



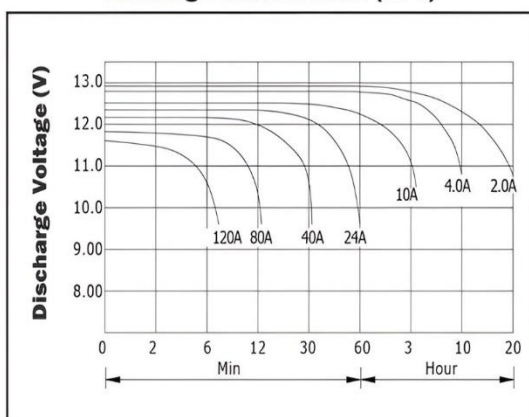
Charge Characteristic



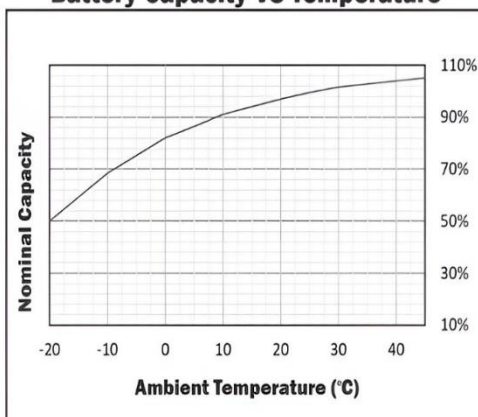
Cycle Service Life



Discharge Characteristic (25°C)



Battery Capacity VS Temperature



Service Life Time

