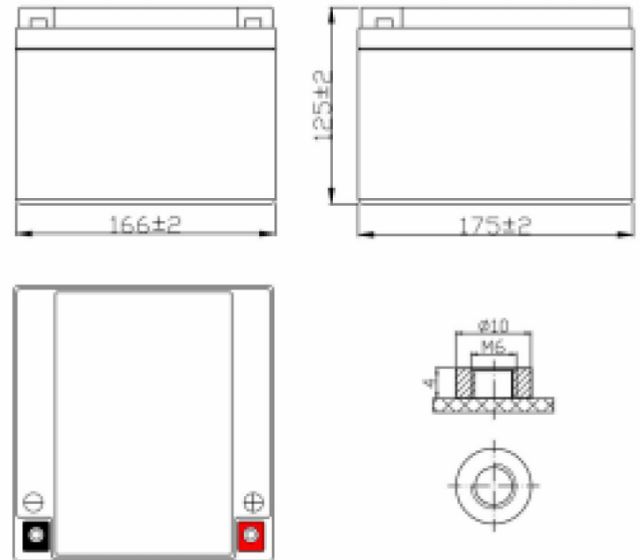
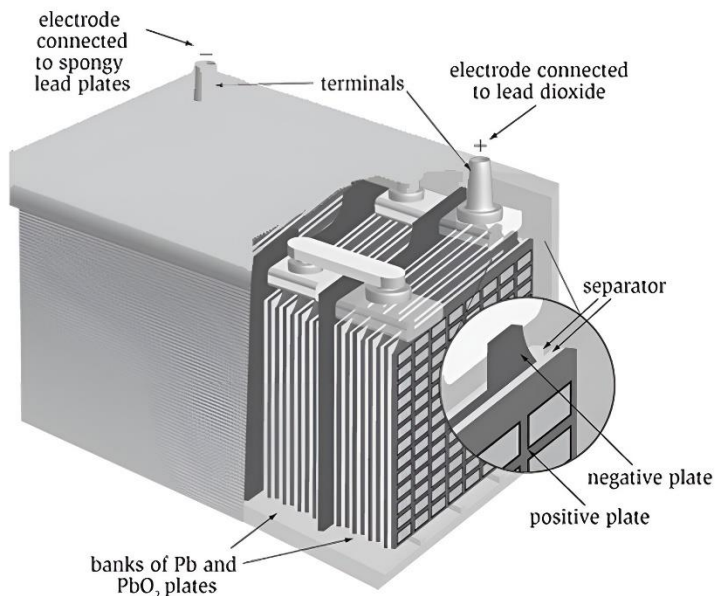


Battery Technical data sheet

AT 12-28 VRLA Battery



Specifications	
Nominal Voltage	12V
Nominal Capacity	28 Ah (10 hr, 25°C)
Approximate Weight	8.8 ± 0.2 kg
Energy Density	79.3 Wh / L
Specific Energy	36 Wh / kg
Dimensions	Length(mm): 166±2
	Width(mm): 175±2
	Height(mm): 125±2
Internal Resistance	≤10 mΩ (Full charged battery , 25°C)
Terminals	M6
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 12-28 VRLA Battery

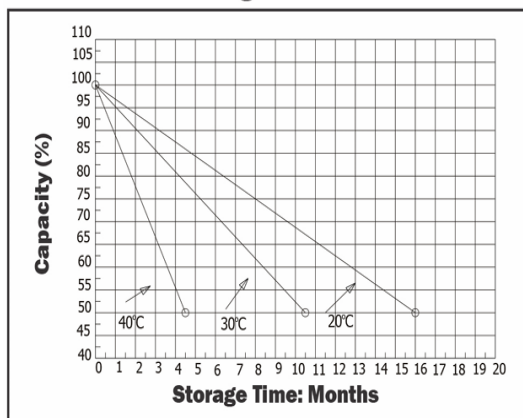
Constant current discharge characteristics (25°C)

Final Voltage	5Min	10Min	15min	30min	1hr	2hr	3hr	5hr	8hr	10hr	20hr
1.60 V/Cell	110.5	69.1	51.3	30.6	19.2	9.8	7.1	4.9	3.1	2.6	1.5
1.70 V/Cell	104.6	65.6	49.3	29.4	18.5	9.7	7.0	4.8	3.0	2.6	1.4
1.75 V/Cell	101.7	64.1	48.3	28.7	18.2	9.6	6.9	4.7	3.0	2.5	1.4
1.80 V/Cell	98.7	61.7	46.8	27.9	17.6	9.4	6.9	4.7	3.0	2.5	1.4

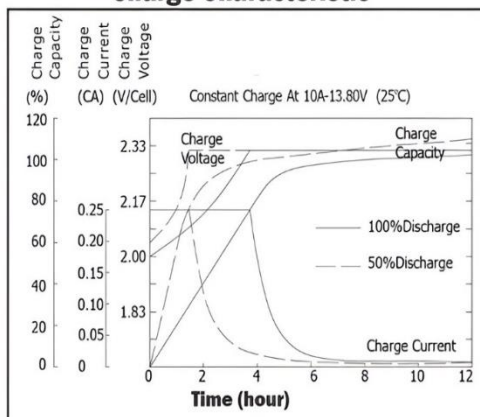
Constant power discharge characteristics (25°C)

Final Voltage	5Min	10Min	15min	30min	1hr	2hr	3hr	5hr	8hr	10hr	20hr
1.60 V/Cell	205.6	129.9	97.5	58.4	37.1	19	14.0	9.6	6.1	5.4	2.8
1.70 V/Cell	195.3	13.3	93.6	56.1	35.7	18.7	13.8	9.5	6.0	5.3	2.7
1.75 V/Cell	199.3	120.4	91.6	54.4	34.7	18.5	13.7	9.4	6.0	5.2	2.7
1.80 V/Cell	189.0	115.9	89	53.3	33.8	18.4	13.6	9.3	86.0	5.1	2.7

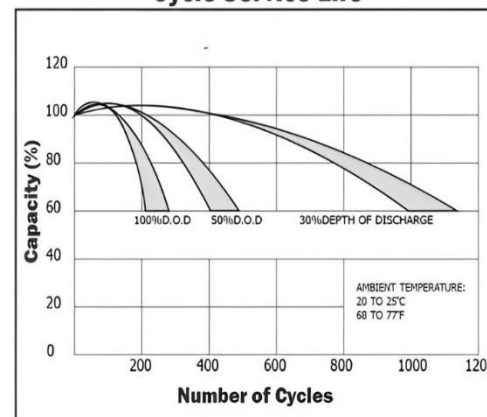
Self Discharge Characteristics



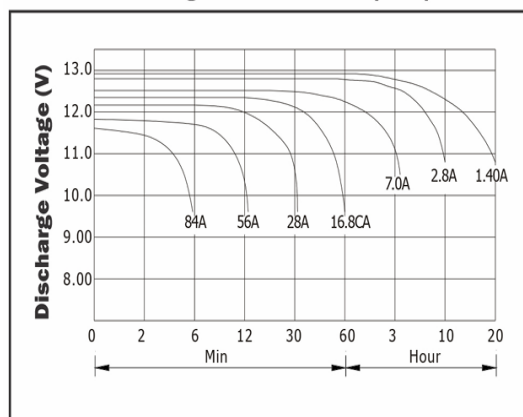
Charge Characteristic



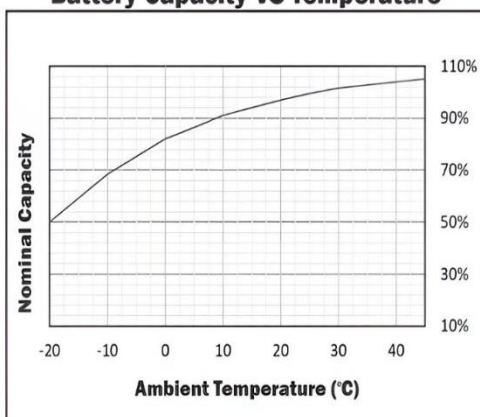
Cycle Service Life



Discharge Characteristic (25°C)



Battery Capacity VS Temperature



Service Life Time

