



SWE12180(12V18AH)



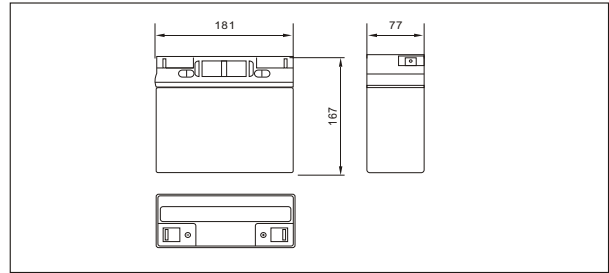
Specifications

Nominal Voltage		12V
Rated capacity (20hour rate)		18Ah
Dimensions	Total Height	167 mm (6.57 inches)
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	Length	181 mm (7.13 inches)
	Width	77 mm (3.03 inches)
Weight Approx		5.6 Kg (12.12 lbs)

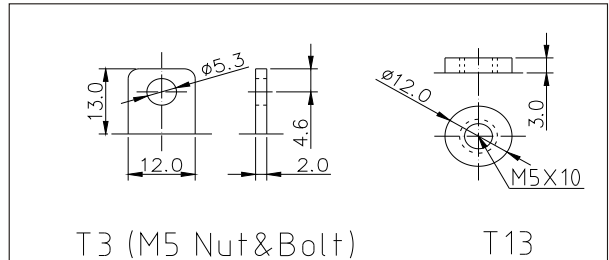
Characteristics

Capacity 25°C(77°F)	20 hour rate(0.9A)	18.0 AH
	10 hour rate(1.66A)	16.6 AH
	5 hour rate(3.06A)	15.3AH
	1 hour rate(10.8A)	10.8 AH
Internal Resistance	Full charged Battery at 25°C(77°F)	11.5 mΩ
Capacity affected by Temperature (20hour rate)	40°C(104°F)	102%
	25°C(77°F)	100%
	0°C(32°F)	85%
	-15°C(5°F)	65%
Self-Discharge at 25°C(77°F)	Capacity after 3 month storage	91%
	Capacity after 6 month storage	82%
	Capacity after 12 month storage	64%
Terminal	T3, T13	
Charge (constant Voltage)	Cycle	Initial Charging Current less than 4.80A Voltage 14.40-14.70V
	Float	Voltage 13.50-13.80V

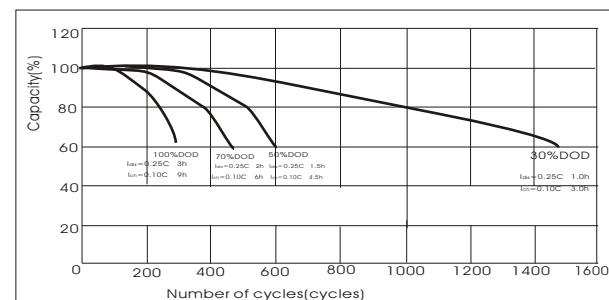
Outer dimensions (mm)



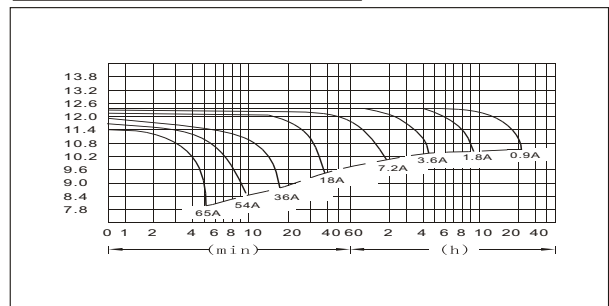
Terminal Type (mm)



Curves of cycle life(25°C)



Discharge Curves 25°C(77°F)



Constant Current(Amp) and Constant Power(Watt) Discharge Table at 25°C(77°F)

Time		5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	A	64.8	42.5	31.5	20.7	10.80	6.30	4.64	3.72	3.16	2.08	1.70	0.93
	W	764.2	480.0	363.0	219.7	124.5	72.9	53.63	43.05	36.53	24.08	19.72	10.80
10.20V	A	59.4	40.6	28.9	19.7	10.14	6.04	4.50	3.60	3.10	2.05	1.67	0.91
	W	719.2	454.5	341.2	218.3	117.0	70.0	52.12	41.70	35.85	23.70	19.35	10.50
10.50V	A	54.1	38.0	27.0	19.0	9.81	5.93	4.42	3.42	3.06	2.03	1.66	0.90
	W	694.5	441.0	326.3	216.0	113.5	68.6	51.22	39.60	35.63	23.48	19.20	10.43
10.80V	A	52.0	36.3	25.2	18.5	9.48	5.77	4.35	3.36	2.93	1.97	1.61	0.88
	W	609.0	427.5	314.2	215.2	110.3	67.2	50.63	39.11	34.05	22.50	18.75	10.20
11.10V	A	48.1	34.2	23.4	18.0	9.15	5.63	4.13	3.30	2.80	1.92	1.58	0.86
	W	588.7	413.2	299.3	213.8	108.8	66.7	49.13	39.00	33.30	21.75	18.37	10.13