



SWE12180 (12V18AH)



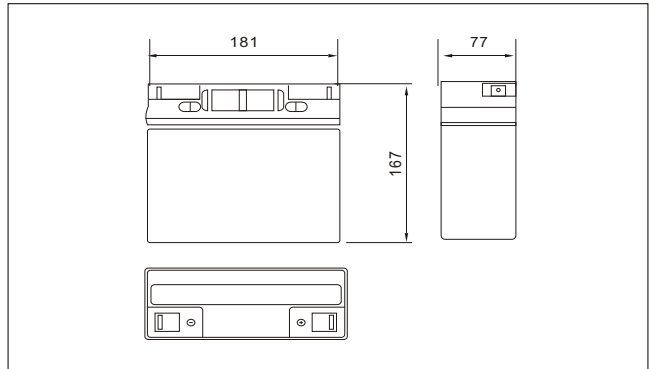
Specifications

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		5.3Kg (11.7lbs)

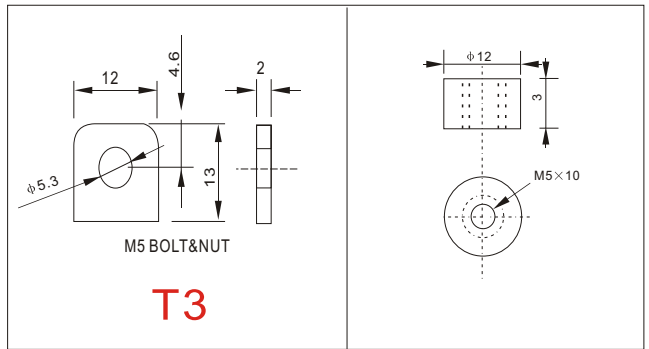
Characteristics

Capacity 25°C(77°F)	20 hour rate(0.9A)	18.0 AH
	10 hour rate(1.65A)	16.5AH
	5 hour rate(2.88A)	14.4AH
	1 hour rate(9.90A)	9.90AH
	1.5 hour discharge to 10.5V	6.8 A
Internal Resistance	Full charged Battery at 25°C(77°F)	10m Ω
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 4.50A Voltage 14.10-14.40V
	Float	Voltage 13.50-13.80V

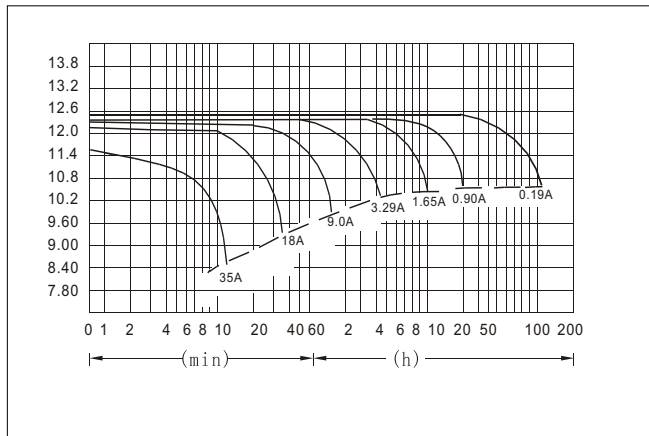
Outer dimensions (mm)



Terminal Type (mm)



Discharge Curves 25°C(77°F)



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

Time		10min	30min	1h	3h	4h	5h	8h	10h	20h	50h	100h
9.60V	A	35	19	10	4.2	3.29	2.72	1.92	1.73	0.93	0.39	0.20
	W	386	201	114	49	38	31	22	20	10.8	4.6	2.4
10.20V	A	34	18	9.3	4.1	3.21	2.67	1.87	1.69	0.91	0.38	0.194
	W	371	199	108	48	37	31	22	20	10.5	4.5	2.3
10.50V	A	32	17.4	9	4.0	3.16	2.64	1.86	1.65	0.90	0.37	0.189
	W	360	188	104	47	37	31	22	19	10.4	4.4	2.3
10.80V	A	30	16.8	9	3.9	3.1	2.57	1.81	1.61	0.89	0.36	0.188
	W	346	181	100	46	36	30	21	19	10.4	4.3	2.2
11.10V	A	28	15	8	3.8	3.0	2.50	1.76	1.56	0.84	0.36	0.181
	W	340	180	97	45	36	30	21	19	10.1	4.2	2.2