



# SWE12240(12V24AH)



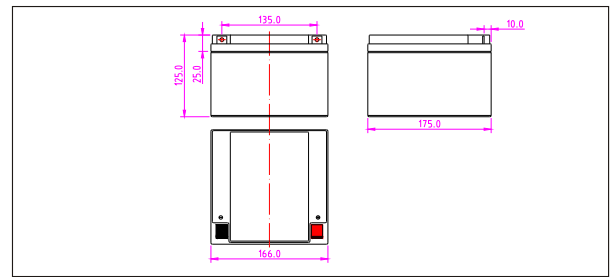
### Specifications

Nominal Voltage		12V
Rated capacity (20 hour rate)		24 Ah
Dimensions	Total Height	125 mm (4.92 inches)
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	Length	166 mm (6.54inches)
	Width	175 mm (6.90 inches)
Weight Approx		8.0Kg (17.68 lbs)

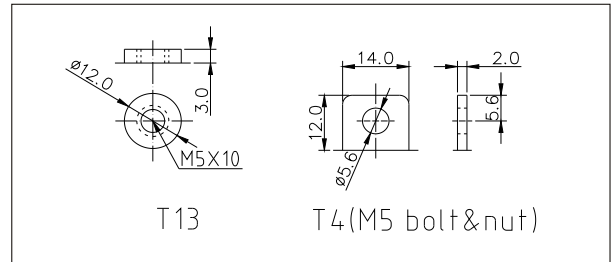
### Characteristics

Capacity 25°C(77°F)	20 hour rate(1.20A)	24.0 AH
	10 hour rate(2.20A)	22.0AH
	5 hour rate(4.10A)	20.5 AH
	1 hour rate(14.4A)	14.4 AH
Internal Resistance	Full charged Battery at 25°C(77°F)	12 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		T4、T13
Charge (constant Voltage)	Cycle	Initial Charging Current less than 9.60A Voltage 14.40-14.70V
	Float	Voltage 13.50-13.80V

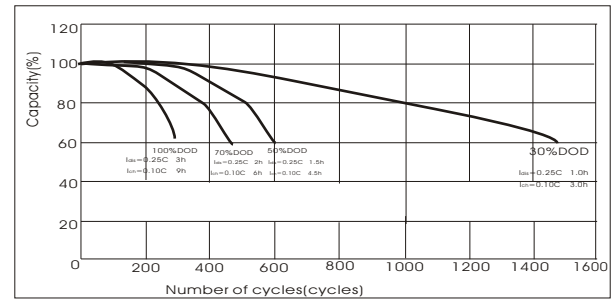
### Outer dimensions (mm)



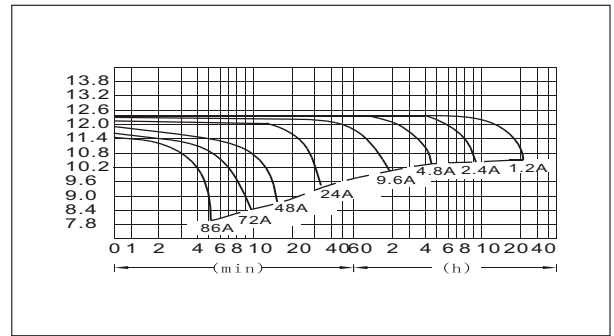
### Terminal Type (mm)



### 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	86.4	56.6	42.0	27.6	14.40	8.40	6.18	4.96	4.21	2.78	2.27	1.24
	W	1019	640.0	484.0	293.0	166.0	97.2	71.50	57.40	48.70	32.10	26.30	14.40
10.20V	A	79.2	54.2	38.6	26.2	13.52	8.06	6.00	4.80	4.13	2.73	2.23	1.21
	W	959.0	606.0	455.0	291.0	156.0	93.3	69.50	55.60	47.80	31.60	25.80	14.00
10.50V	A	72.1	50.6	36.0	25.4	13.08	7.90	5.90	4.56	4.10	2.70	2.20	1.20
	W	926.0	588.0	435.0	288.0	151.4	91.5	68.30	52.80	47.50	31.30	25.60	13.90
10.80V	A	69.3	48.4	33.6	24.7	12.64	7.70	5.80	4.48	3.90	2.63	2.15	1.17
	W	812.0	570.0	419.0	287.0	147.0	89.6	67.50	52.15	45.40	30.00	25.00	13.60
11.10V	A	64.1	45.6	31.2	24.0	12.20	7.50	5.50	4.40	3.73	2.56	2.10	1.14
	W	785.0	551.0	399.0	285.0	145.0	89.0	65.50	52.00	44.40	29.00	24.50	13.50