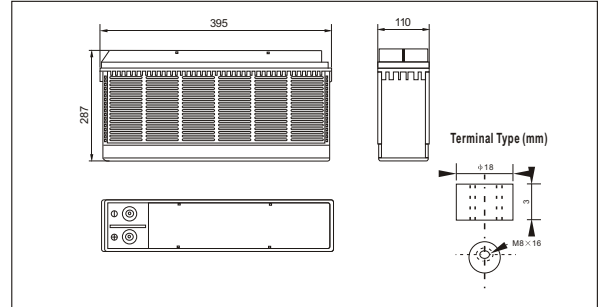




# SWF121050(12V105AH)



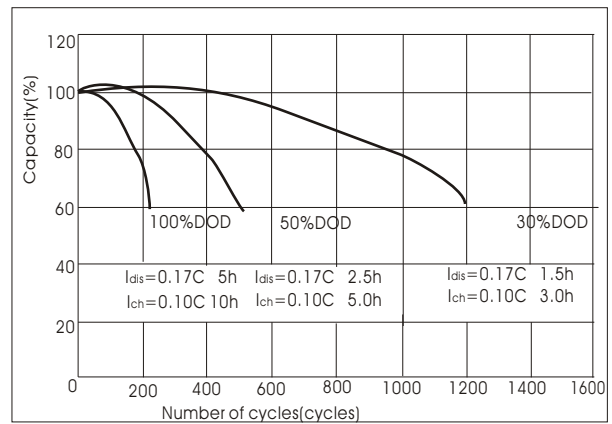
### Outer dimensions (mm)



### Specifications

Nominal Voltage		12V
Rated capacity (10 hour rate)		105 Ah
Dimensions	Total Height	287 mm (11.29 inches)
	Height	287 mm (11.29 inches)
	Length	395 mm (15.51 inches)
	Width	110 mm (4.29 inches)
Weight Approx		33 Kg (72.93 lbs)

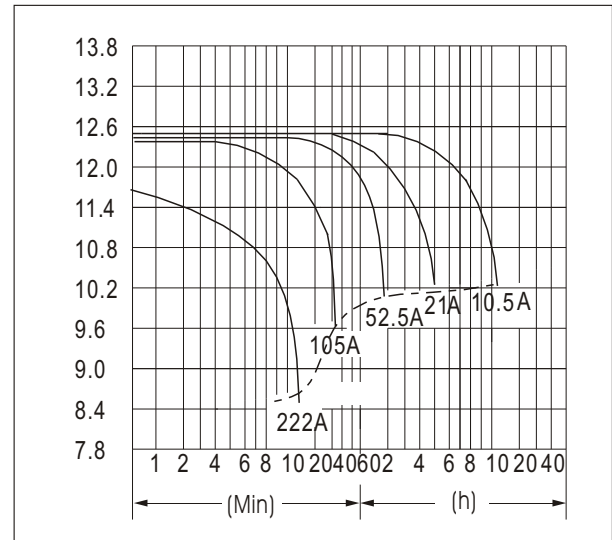
### Curves of cycle life(25°C)



### Characteristics

Capacity 25°C(77°F)	10 hour rate(10.5 A) 5 hour rate(16.8 A) 1 hour rate(63 A)	105 AH 84AH 63 AH
Internal Resistance	Full charged Battery at 25°C(77°F)	Approx 4.4 mΩ
Capacity affected by Temperature (10hour rate)	40°C(104°F) 25°C(77°F) 0°C(32°F) -15°C(5°F)	102% 100% 85% 65%
Self-Discharge at 25°C(77°F)	Capacity after 3 month storage Capacity after 6 month storage Capacity after 12 month storage	91% 82% 64%
Terminal		T46
Charge (constant Voltage)	Cycle	Initial Charging Current less than 44 A Voltage 14.10-14.40V
	Float	Voltage 13.50-13.80V

### 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	336	222	179	119.7	63.0	36.8	27.0	21.0	17.3	12.29	5.95
	w	3471	2366	1915	1287	680	404	300	236	197	141	69.2
10.20V	A	326	200	168	114.5	59.2	35.1	26.3	20.5	17.0	11.97	5.78
	w	3479	2232	1882	1285	670	404	304	238	198	140	67.7
10.50V	A	315	179	147	107.1	57.3	34.2	25.6	20.2	16.8	11.87	5.78
	w	3441	2034	1679	1233	664	397	299	236	197	140	68.3
10.80V	A	304	169	137	98.7	55.4	33.4	25.0	19.8	16.4	11.55	5.67
	w	3407	1943	1575	1144	645	391	295	234	194	137	67.5
11.10V	A	293	158	126	88.2	53.6	32.6	24.2	19.3	16.0	11.24	5.36
	w	3328	1829	1469	1032	630	385	287	230	190	135	64.9