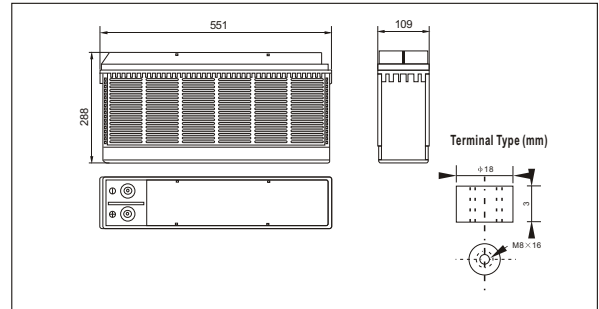




# SWF121600(12V160AH)



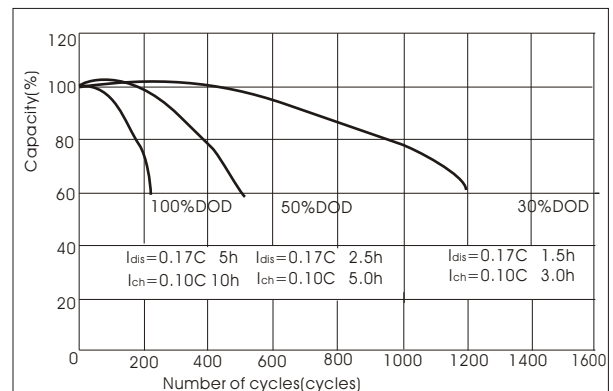
## Outer dimensions (mm)



## Specifications

Nominal Voltage		12V
Rated capacity (10 hour rate)		160 Ah
Dimensions	Total Height	288 mm (11.34 inches)
	Height	288 mm (11.34 inches)
	Length	551 mm (21.7 inches)
	Width	109 mm (4.29 inches)
Weight Approx		51 Kg (112 lbs)

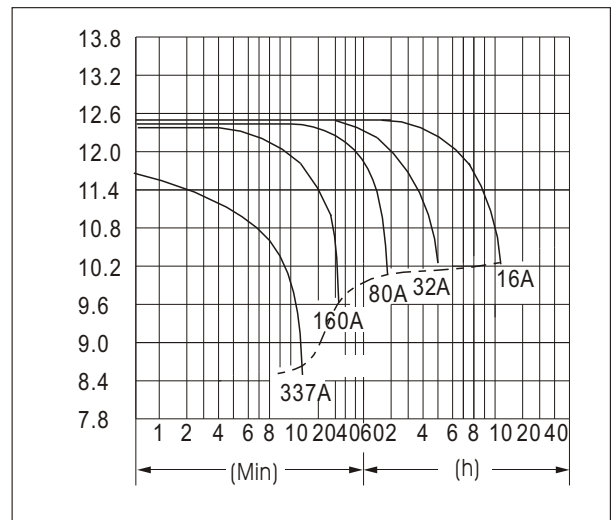
## Curves of cycle life(25°C)



## Characteristics

Capacity 25°C(77°F)	10 hour rate(16 A) 5 hour rate(25.6 A) 1 hour rate(96 A)	160 AH 128AH 96 AH
Internal Resistance	Full charged Battery at 25°C(77°F)	Approx 3.5 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 64A 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	512	338	272	182.4	96.0	56.0	41.1	32.0	26.4	18.72	16.80	9.07
	W	5289	3606	2918	1961	1037	615	458	360	300	215	194	105.5
10.20V	A	496	305	256	174.4	90.2	53.4	40.0	31.2	25.9	18.24	16.48	8.80
	W	5301	3402	2868	1958	1021	616	463	363	302	213	194	103.2
10.50V	A	480	272	224	163.2	87.4	52.2	39.0	30.7	25.6	18.08	16.16	8.80
	W	5243	3100	2558	1878	1012	605	455	359	300	213	191	104.0
10.80V	A	463	257	208	150.4	84.5	50.9	38.1	30.2	25.0	17.60	16.00	8.64
	W	5192	2961	2400	1743	983	596	449	357	295	209	190	102.9
11.10V	A	447	241	192	134.4	81.6	49.6	36.8	29.4	24.3	17.12	15.20	8.16
	W	5071	2787	2239	1572	960	586	437	351	290	205	183.5	98.9