



SWG12800(12V80AH)



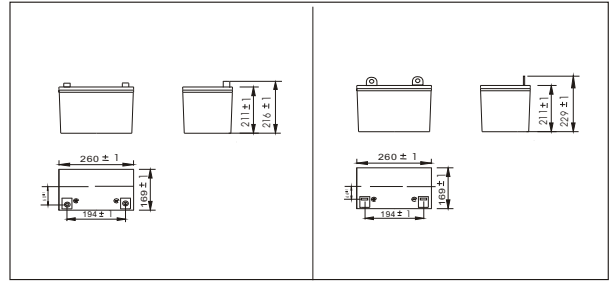
Specifications

Nominal Voltage		12V
Rated capacity (20 hour rate)		80 Ah
Dimensions	Total Height	T33 229 mm (9.02 inches)
		T16 216 mm (8.50 inches)
	Height	211 mm (8.30 inches)
	Length	260 mm (10.2 inches)
Width		169mm (6.65 inches)
Weight Approx		26Kg (57.4 lbs)

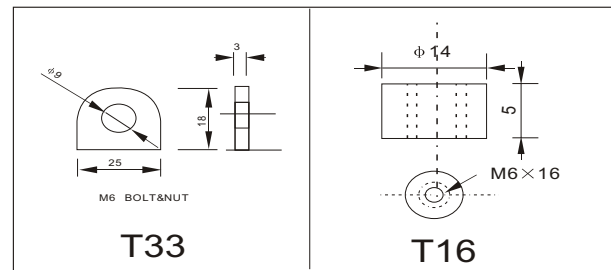
Characteristics

Capacity 25°C(77°F)	20 hour rate(4.00 A)	80.0 AH
	10 hour rate(7.36 A)	73.6 AH
	5 hour rate(11.8 A)	59.0 AH
	1 hour rate(44.1 A)	44.1 AH
Internal Resistance	Full charged Battery at 25°C(77°F)	Approx 10.0 mΩ
Capacity affected by Temperature (10hour 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		T33 T16
Charge (constant Voltage)	Cycle	Initial Charging Current less than 29.4 A Voltage 14.10-14.40V
	Float	Voltage 13.50-13.80V

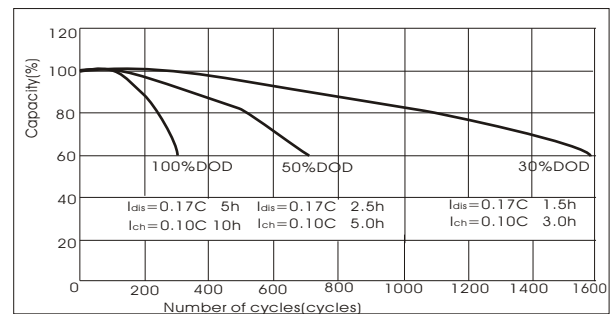
Outer dimensions (mm)



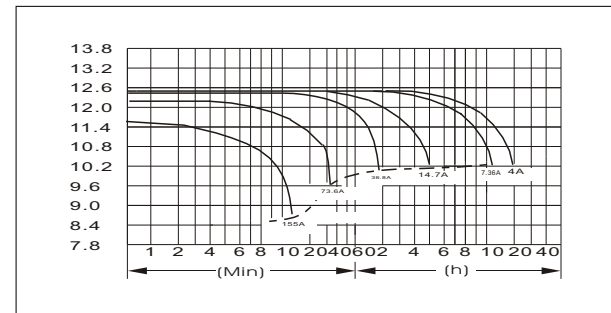
Terminal Type (mm)



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	236	155	125	84	44	26	18.9	14.7	12.1	8.6	7.7	4.2
	W	2433	1659	1342	902	477	283	210.5	165.6	138.1	98.7	89.3	48.5
10.20V	A	228	140	118	80	42	25	18.4	14.4	11.9	8.4	7.6	4.0
	W	2438	1565	1319	901	469	283	213.1	166.9	139.0	98.2	89.1	47.5
10.50V	A	221	125	103	75	40	24	18.0	14.1	11.8	8.3	7.4	4.0
	W	2412	1426	1177	864	465	278	209.3	165.3	138.1	97.8	88.0	47.8
10.80V	A	213	118	96	69	39	23	17.5	13.9	11.5	8.1	7.4	4.0
	W	2388	1362	1104	802	452	274	206.5	164.3	135.7	95.9	87.5	47.3
11.10V	A	206	111	88	62	38	23	16.9	13.5	11.2	7.9	7.0	3.8
	W	2333	1282	1030	723	441	270	201.1	161.3	133.5	94.3	84.4	45.5