



SWG122300(12V230AH)



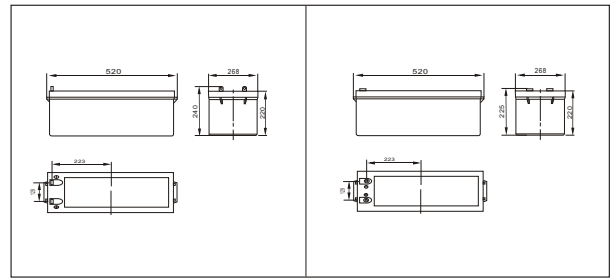
Specifications

Nominal Voltage		12V	
Rated capacity (20 hour rate)		230 Ah	
Dimensions	Total Height	T12	240 mm (9.44 inches)
		T19	225 mm (8.85 inches)
	Height	220 mm (8.66 inches)	
	Length	520 mm (20.5 inches)	
Width		268 mm (10.55 inches)	
Weight Approx		76 Kg (168 lbs)	

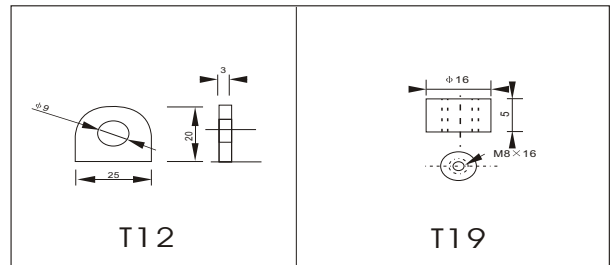
Characteristics

Capacity 25°C(77°F)	20 hour rate(11.5 A) 10 hour rate(21.2A) 5 hour rate(34.0A) 1 hour rate(127 A)	230 AH 212 AH 170AH 127 AH
Internal Resistance	Full charged Battery at 25°C(77°F)	Approx 5.5mΩ
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	T12 T19	
Charge (constant Voltage)	Cycle	Initial Charging Current less than 85 A Voltage 14.10-14.40V
	Float	Voltage 13.50-13.80V

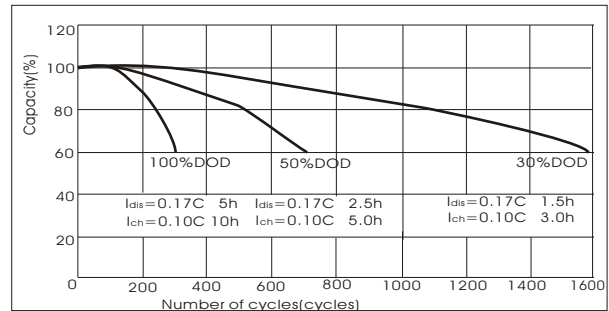
Outer dimensions (mm)



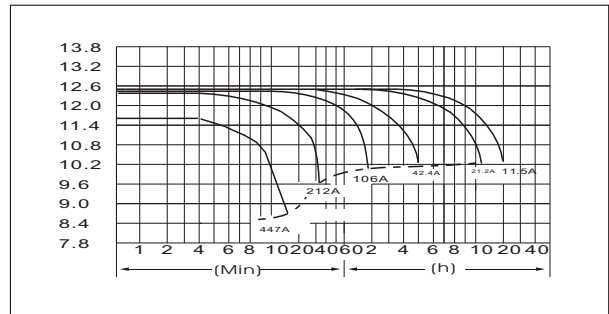
Terminal Type (mm)



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	678	446	360	241	127	74	54.4	42.3	34.9	24.8	22.2	12.0
	W	6994	4768	3859	2594	1371	813	605.3	476.1	397.0	283.7	256.6	139.5
10.20V	A	656	403	339	231	119	71	52.9	41.3	34.3	24.1	21.8	11.6
	W	7010	4499	3793	2589	1350	815	612.6	479.8	399.6	282.2	256.0	136.5
10.50V	A	635	360	296	216	116	69	51.6	40.6	33.9	23.9	21.4	11.6
	W	6934	4099	3383	2484	1338	800	601.6	475.3	396.9	281.2	252.9	137.6
10.80V	A	612	340	276	199	112	67	50.4	40.0	33.0	23.3	21.2	11.4
	W	6866	3916	3174	2305	1300	788	593.8	472.2	390.2	275.8	251.5	136.1
11.10V	A	591	318	254	178	108	66	48.7	38.9	32.2	22.6	20.1	10.8
	W	6707	3685	2961	2080	1269	775	578.2	463.7	383.8	271.2	242.7	130.8