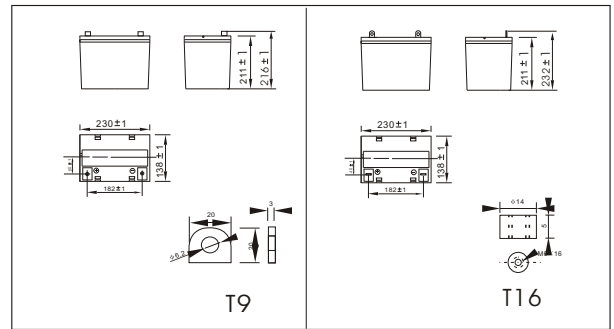




SWG12500(12V50AH)

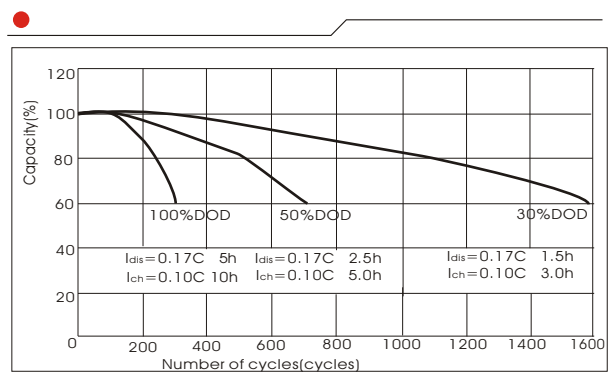


Outer dimensions (mm)



Specifications

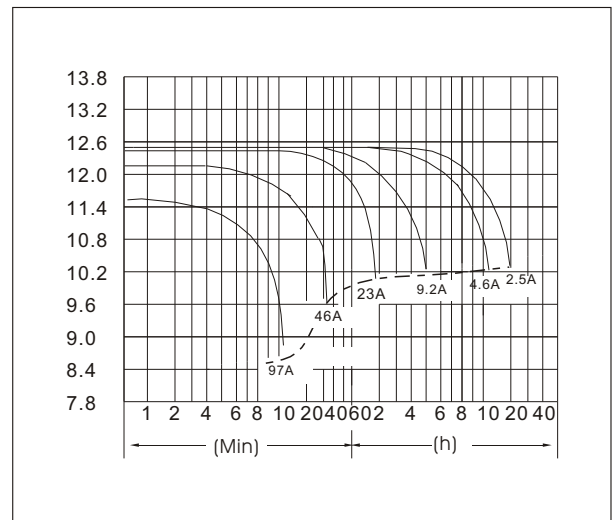
Nominal Voltage		12V	
Rated capacity (20 hour rate)		50 Ah	
Dimensions	Total Height	T9	232 mm (9.13 inches)
		T16	216 mm (8.43 inches)
	Height	208 mm (8.19 inches)	
	Length	230 mm (9.10 inches)	
Width		138 mm (5.43 inches)	
Weight Approx		17.5 Kg (38.55 lbs)	



Characteristics

Capacity 25°C(77°F)	20 hour rate(2.50 A) 10 hour rate(4.60 A) 5 hour rate(7.36 A) 1 hour rate(27.6 A)	50.0 AH 46.0 AH 36.8 AH 27.6 AH
Internal Resistance	Full charged Battery at 25°C(77°F)	Approx 12 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	T9, T16	
Charge (constant Voltage)	Cycle	Initial Charging Current less than 18.4 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
960V	A	147.3	97.1	78.2	52.4	27.6	16.1	11.8	9.2	7.59	5.38	4.83	2.61
	W	1520.5	1036.6	839.0	563.8	298.1	176.8	132.3	103.5	86.30	61.68	55.79	30.33
1020V	A	142.7	87.6	73.7	50.1	25.9	15.4	11.5	9.0	7.45	5.24	4.74	2.53
	W	1524.0	978.0	824.6	562.9	293.4	176.0	131.8	103.2	85.98	61.35	55.66	29.72
1050V	A	138.0	78.3	64.4	46.9	25.1	15.0	11.2	8.8	7.36	5.20	4.65	2.51
	W	1507.5	891.2	735.5	540.0	290.8	173.9	129.4	102.9	85.85	61.13	54.97	29.64
1080V	A	133.0	73.8	59.9	43.2	24.3	14.6	10.9	8.7	7.18	5.06	4.60	2.48
	W	1492.6	851.4	690.0	501.0	282.7	171.3	129.1	102.7	84.82	59.96	54.68	29.58
1110V	A	128.6	69.2	55.3	38.6	23.5	14.3	10.6	8.5	6.99	4.92	4.37	2.35
	W	1458.0	801.2	643.6	452.1	275.9	168.6	125.7	100.8	83.44	58.95	52.75	28.43