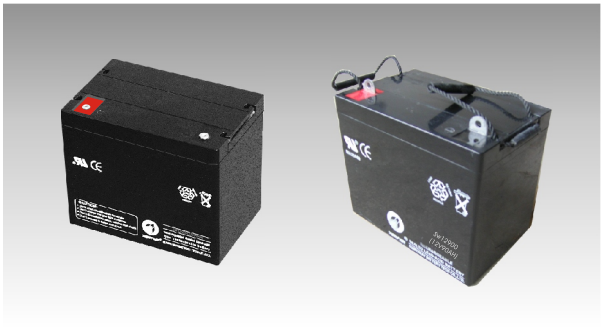
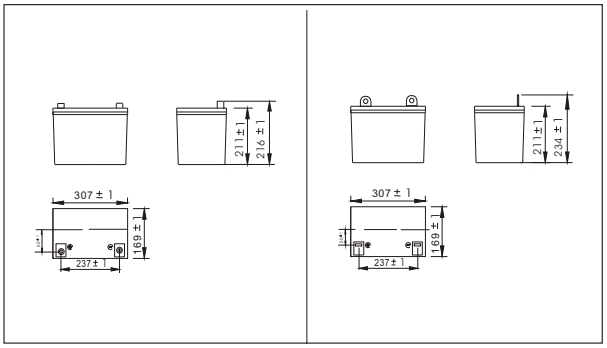
SUNNYWAY®

SHENZHEN SUNNYWAY BATTERY TECH CO.,LTD.

SW12900(12V90AH)



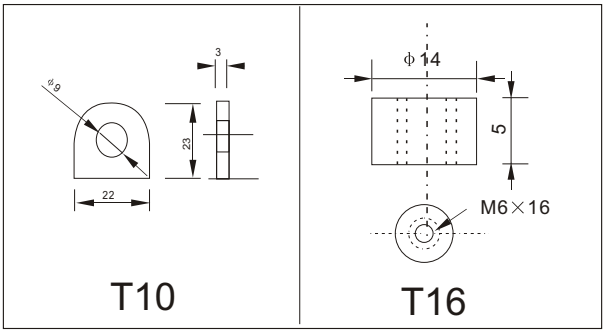
Outer dimensions (mm)



Specifications

Nominal Voltage			12V
Rated capacity (10 hour rate)			90 Ah
Dimensions	Total Height	T10	234 mm (9.21 inches)
		T16	216 mm (8.50 inches)
	Height		211 mm (8.30 inches)
	Length		307 mm (12.08 inches)
	Width		169mm (6.65 inches)
Weight Approx			27Kg (58.40 lbs)

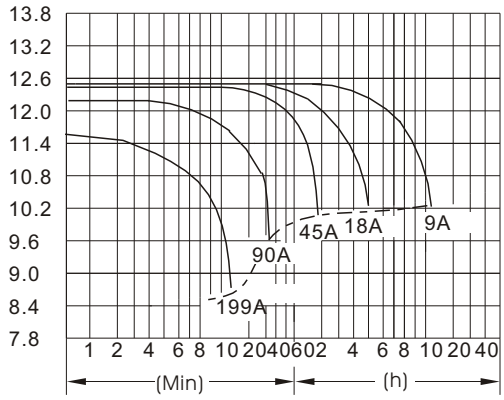
Terminal Type (mm)



Characteristics

Capacity 25℃(77℉)	10 hour rate(9.0A) 5 hour rate(14.4A) 1 hour rate(54.0A)	90 AH 72 AH 54 AH
Internal Resistance	Full charged Battery at 25℃(77℉)	approx 4.5 mΩ
Capacity affected by Temperature (10hour rate)	40℃(104℉) 25℃(77℉) 0℃(32℉) -15℃(5℉)	102% 100% 85% 65%
Self-Discharge at 25℃(77℉)	Capacity after 3 month storage Capacity after 6 month storage Capacity after 12 month storage	91% 82% 64%
Terminal	T10 T16	
Charge (constant Voltage) Cycle	Initial Charging Current less than 36 A Voltage 14.10-14.40V	
Charge (constant Voltage) Float	Voltage 13.50-13.80V	

Discharge Curves 25℃(77℉)



Constant Current(Amp) and Constant Power(Watt) Discharge Table at 25℃(77℉)

Time		5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	A	288	190	153	103	54	32	23.1	18.0	14.9	10.5	9.5	5.1
	W	2975	2028	1641	1103	583	346	257.4	202.5	168.8	120.7	109.1	59.3
10.20V	A	279	171	144	98	51	30	22.5	17.6	14.6	10.3	9.3	5.0
	W	2982	1913	1613	1101	574	346	260.6	204.1	170.0	120.0	108.9	58.1
10.50V	A	270	153	126	92	49	29	22.0	17.3	14.4	10.2	9.1	5.0
	W	2949	1744	1439	1056	569	340	255.9	202.2	168.8	119.6	107.6	58.5
10.80V	A	260	144	117	85	48	29	21.4	17.0	14.0	9.9	9.0	4.9
	W	2920	1666	1350	980	553	335	252.5	200.9	166.0	117.3	107.0	57.9
11.10V	A	252	135	108	76	46	28	20.7	16.6	13.7	9.6	8.6	4.6
	W	2853	1567	1259	885	540	330	245.9	197.2	163.3	115.3	103.2	55.6