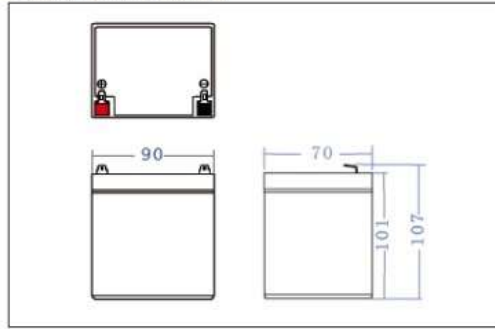


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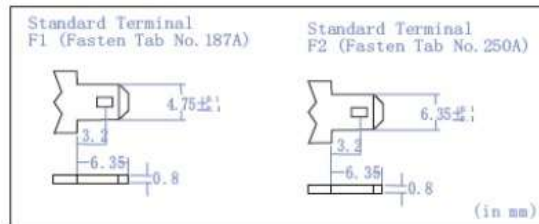
12V 4.5Ah



Dimensions (mm)



Terminal Type



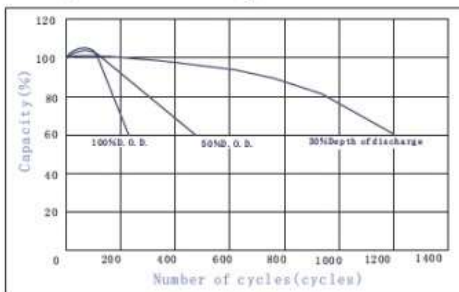
Electrical Specification

Capacity 25°C (77° F)	20hour rate(0.2A)	4.0Ah
	27min rate(4.0A)	1.8Ah
	7min rate(12.0A)	1.4Ah
Capacity Affected by Temperature (20hour rate)	40°C (104° F)	102%
	25°C (77° F)	100%
	0°C (32° F)	85%
	-15°C (5° F)	65%
Internal Resistance	full charged battery 77° F(25°C)	50mΩ
Self-Discharge at25°C(77° F)	Capacity after 3month storage	91%
	Capacity after 6month storage	82%
	Capacity after 12 month storage	64%
Charge (constant Voltage)	Cycle Initial Charging Current less than1.2A Voltage 14.40-14.90V	
	Float Voltage 13.50-13.80V	

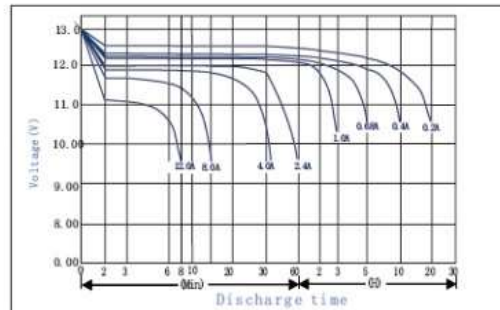
Physical specification

Nominal Voltage	12V	
Nominal Capacity(20HR)	4.0AH	
Dimensions	Length	90±1mm(3.54 inches)
	Width	70±1mm(2.76inches)
	Container Height	101±2mm(3.98inches)
	Total height	107±2mm(4.21inches)
Weight	Approx 1.35kg(2.97 lbs)	
Standard Terminal	F1/F2	

Cycle service life in relation to depth of discharge



Discharge Characteristics after fully charged (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	10h	20h	
9.60V	A	15.44	9.77	7.73	4.28	2.64	1.44	1.04	0.84	0.71	0.38	0.21
	W	172.37	110.03	87.87	49.11	30.53	16.81	12.24	9.87	8.41	4.54	2.47
9.90V	A	14.96	9.47	7.53	4.18	2.58	1.43	1.03	0.82	0.70	0.38	0.21
	W	167.07	106.69	85.62	47.89	29.85	16.63	12.06	9.73	8.32	4.52	2.46
10.20V	A	14.28	9.05	7.25	4.07	2.52	1.41	1.01	0.81	0.69	0.38	0.20
	W	159.54	101.99	82.47	46.67	29.16	16.45	11.87	9.59	8.23	4.51	2.45
10.50V	A	13.60	8.63	6.97	3.96	2.46	1.39	1.00	0.80	0.68	0.38	0.20
	W	151.99	97.29	79.31	45.44	28.48	16.18	11.78	9.50	8.14	4.50	2.39
10.80V	A	12.86	8.12	6.57	3.81	2.39	1.36	0.98	0.78	0.66	0.37	0.20
	W	143.73	91.59	74.79	43.76	27.65	15.81	11.46	9.27	7.85	4.37	2.34