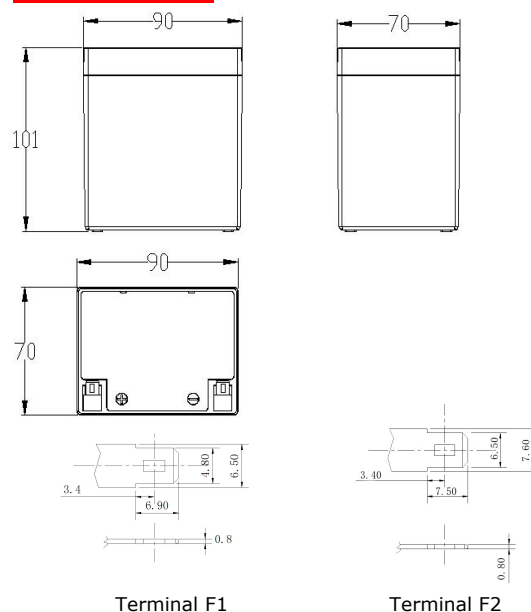


Specifications

Nominal Voltage	12V	
Nominal Capacity(20hr)	4.5AH	
Dimension	Length	90±2mm(3.54inch)
	Width	70±2mm(2.76inch)
	Height	101±2mm(3.98inch)
	Total Height	105±2mm(4.13inch)
Approx Weight	Approx. 1.44kg(+5%)	
Terminal Type	F1/F2	
container Material	ABS(UL-94HB)	
Internal Resistance	Approx.25mΩ	
Rated Capacity	4.5AH	(20hr, 1.75V/cell,25°C/77°F)
	4.3AH	(10hr, 1.75V/cell,25°C/77°F)
	4.0AH	(5hr, 1.75V/cell,25°C/77°F)
	3.5AH	(3hr, 1.75V/cell,25°C/77°F)
	2.7AH	(1hr, 1.75V/cell,25°C/77°F)
Max. Discharge Current	105A(5S)	
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Cycle Use	Charge Current Less Than 0.25CA	
	14.1V~14.7V@25°C(77°F)Temp. Coefficient -30mV/°C	
Floating Use	13.5V~13.8V@25°C(77°F)Temp. Coefficient -20mV/°C	
Capacity affected by Temperature	40°C	103%
	25°C	100%
	0°C	86%
	-15°C	65%
Self-discharge	3 month	Remaining capacity: 91%
	6 month	Remaining capacity:82%
	12month	Remaining capacity:65%

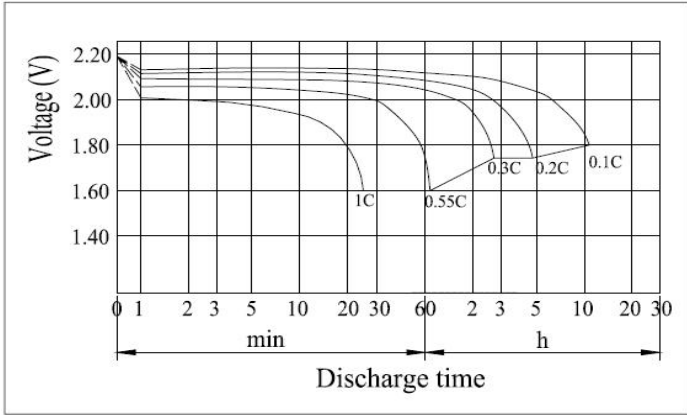

Dimensions

Constant Power Discharge at 25°C(77°F)

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.80V/Cell	25.3	18.9	13.9	8.8	5.11	2.93	2.24	1.79	1.53	1.25	1.07	0.43
1.75V/Cell	25.7	19.2	14.2	9.0	5.21	2.98	2.28	1.82	1.56	1.28	0.83	0.44
1.70V/Cell	28.1	20.4	15.0	9.3	5.30	3.04	2.32	1.85	1.59	1.30	0.85	0.45
1.67V/Cell	30.9	22.1	16.3	9.9	5.36	3.07	2.35	1.87	1.60	1.31	0.86	0.15
1.60V/Cell	33.5	23.3	17.2	10.3	5.41	3.10	2.37	1.89	1.62	1.33	0.87	0.46

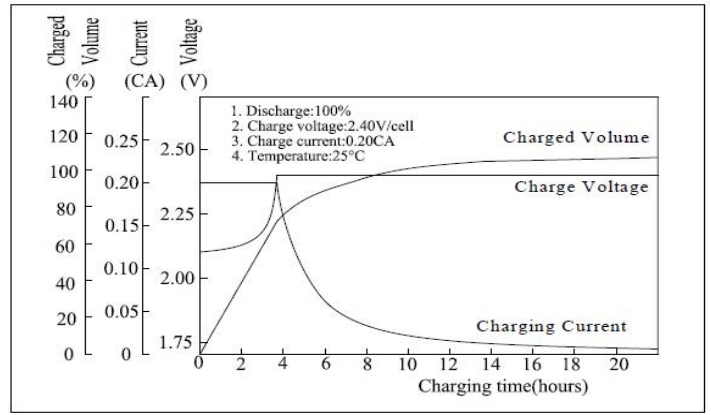
Constant Current Discharge at 25°C(77°F)

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.80V/Cell	13.0	9.7	7.15	4.51	2.62	1.50	1.15	0.92	0.79	0.64	0.42	0.22
1.75V/Cell	13.2	9.9	7.28	4.60	2.67	1.52	1.17	0.93	0.80	0.65	0.43	0.22
1.70V/Cell	14.4	10.5	7.71	4.78	2.71	1.55	1.19	0.95	0.82	0.67	0.44	0.23
1.67V/Cell	15.8	11.3	8.4	5.05	2.74	1.57	1.20	0.96	0.82	0.67	0.44	0.23
1.60V/Cell	17.2	11.9	8.8	5.27	2.77	1.59	1.22	0.97	0.83	0.68	0.45	0.23

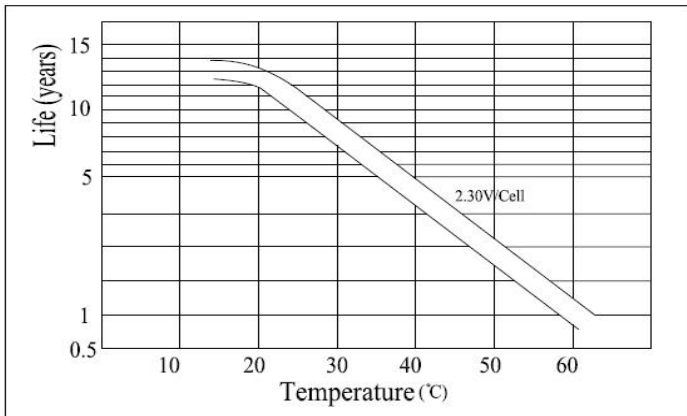
Discharge Characteristics



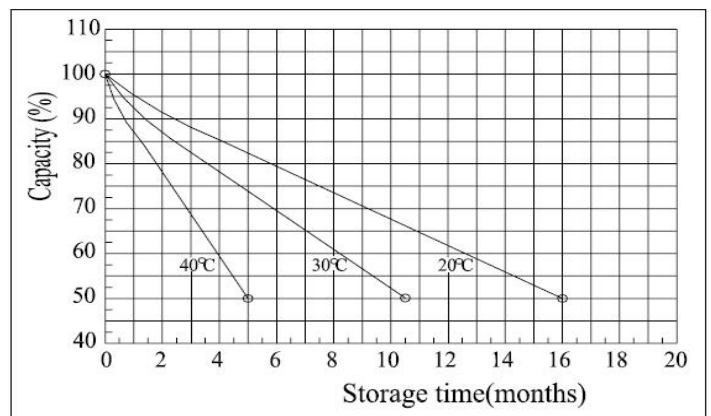
Float Charging Characteristics



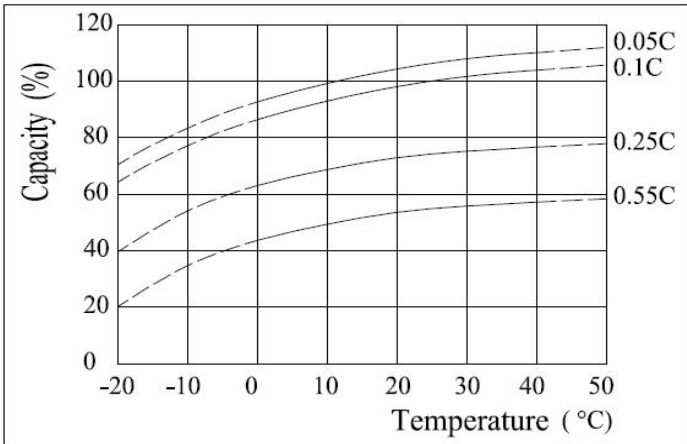
Floating Life on Temperature



Self Discharge Characteristics (25°C(77°F))



Temperature Effects in Relation to Battery Capacity



Cycle Life Relation to Depth of Discharge

