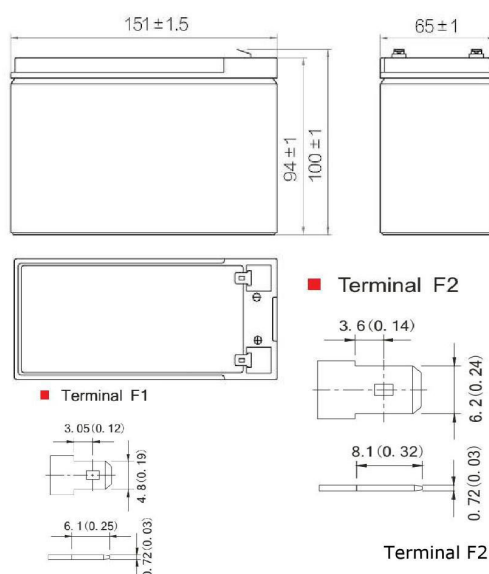


Specifications

Nominal Voltage	12V	
Nominal Capacity(20hr)	7.5AH	
Dimension	Length	151±2mm(5.94inch)
	Width	65±2mm(2.56inch)
	Height	94±2mm(3.7inch)
	Total Height	98±2mm(3.86inch)
Approx Weight	Approx. 2.48kg(+ -4%)	
Terminal Type	F1/F2	
container Material	ABS(UL-94HB)	
Internal Resistance	Approx. 18mΩ	
Rated Capacity	7.5AH	(20hr, 1.70V/cell, 25°C/77°F)
	7.2AH	(10hr, 1.75V/cell, 25°C/77°F)
	6.5AH	(5hr, 1.75V/cell, 25°C/77°F)
	6.0AH	(3hr, 1.70V/cell, 25°C/77°F)
	4.8AH	(1hr, 1.60V/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%

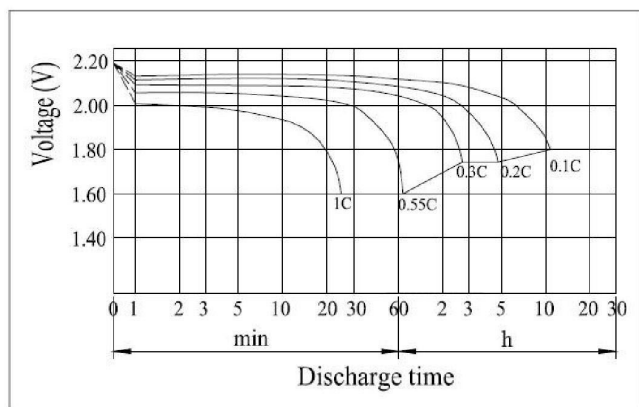

Dimensions

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	47.3	31.3	25.3	16.8	9.76	5.35	3.86	3.17	3.09	2.21	1.45	0.75
1.75V/cell	49.7	33.5	26.8	17.2	9.91	5.44	3.90	3.18	3.11	2.27	1.47	0.77
1.70V/cell	52.8	34.8	28.1	17.6	10.09	5.51	3.92	3.20	3.11	2.30	1.49	0.80
1.67V/cell	54.0	36.0	28.9	17.8	10.11	5.53	3.92	3.20	3.13	2.35	1.50	0.81
1.60V/cell	55.5	36.2	29.2	18.1	10.14	5.56	3.93	3.22	3.15	2.39	1.52	0.85

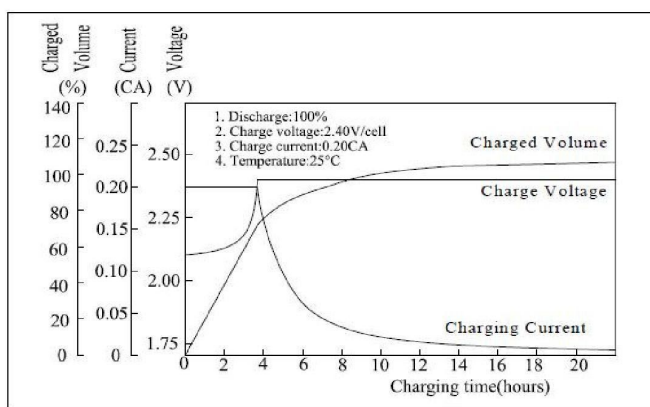
Constant Current Discharge at 25°C(77°F)

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.80V/cell	23.3	15.2	12.5	8.10	4.39	2.53	1.95	1.57	1.25	1.13	0.73	0.39
1.75V/cell	25.1	16.5	13.1	8.31	4.60	2.63	1.99	1.62	1.33	1.15	0.75	0.39
1.70V/cell	27.0	17.8	13.8	8.53	4.75	2.70	2.04	1.65	1.36	1.17	0.76	0.40
1.67V/cell	28.8	19.2	14.5	8.74	4.85	2.73	2.13	1.72	1.39	1.20	0.78	0.41
1.60V/cell	30.7	20.5	15.1	8.95	4.90	2.85	2.20	1.76	1.45	1.23	0.78	0.41

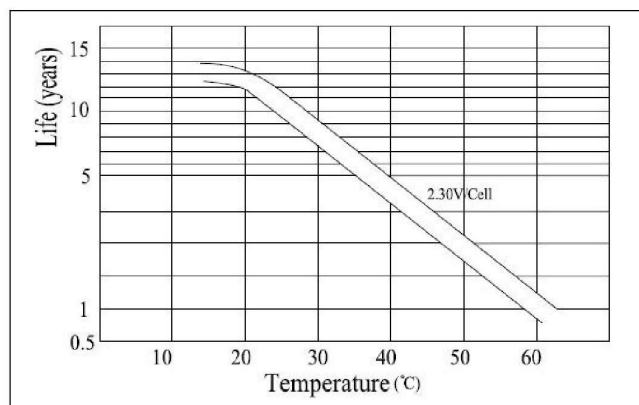
Discharge Characteristics



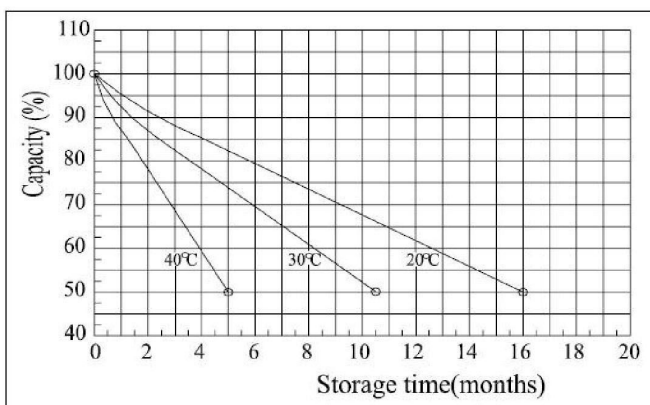
Float Charging Characteristics



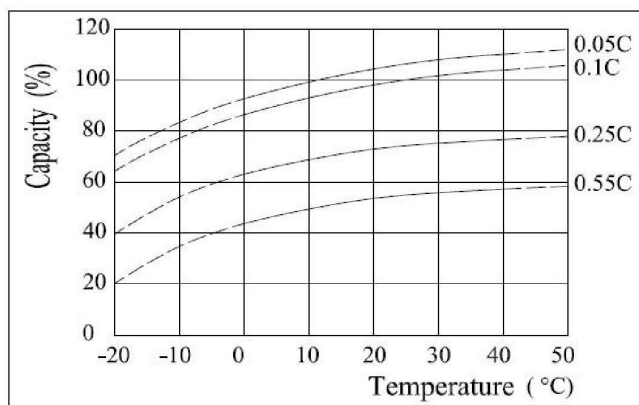
Floating Life on Temperature



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



Temperature Effects in Relation to Battery Capacity



Cycle Life Relation to Depth of Discharge

