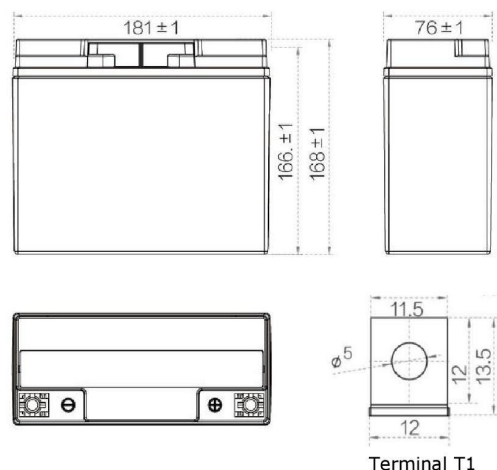


Specifications

Nominal Voltage	12V	
Nominal Capacity(20hr)	18AH	
Dimension	Length	181±2mm(5.94inch)
	Width	77±2mm(3.03inch)
	Height	167±2mm(6.57inch)
	Total Height	167±2mm(6.57inch)
Approx Weight	Approx. 5.7 kg(+/-3%)	
Terminal Type	T1	
container Material	ABS(UL-94HB)	
Internal Resistance	Approx.10.0mΩ	
Rated Capacity	18.0AH	(20hr, 1.70V/cell,25°C/77°F)
	17.5AH	(10hr, 1.75V/cell,25°C/77°F)
	16.0AH	(5hr, 1.75V/cell,25°C/77°F)
	14.5AH	(3hr, 1.70V/cell,25°C/77°F)
	11.0AH	(1hr, 1.60V/cell,25°C/77°F)
Max. Discharge Current	350A(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%

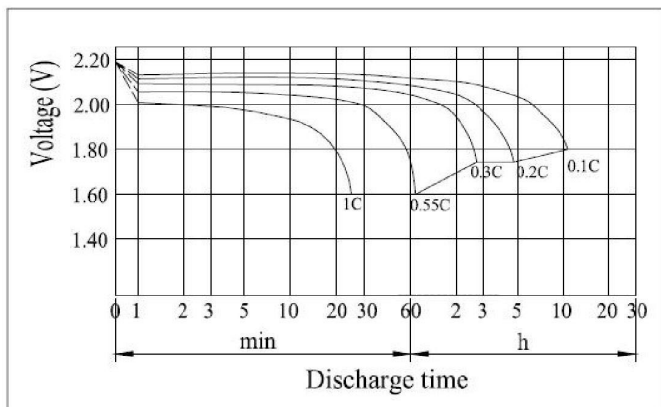

Dimensions

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	125	86.6	71.1	42.6	24.4	13.1	10.81	8.27	7.15	5.71	3.46	1.78
1.75V/cell	127	88.2	72.4	43.4	24.9	13.3	11.02	8.42	7.29	5.82	3.52	1.83
1.70V/cell	131	90.8	74.6	44.7	25.6	13.8	11.35	8.67	7.50	5.99	3.63	1.88
1.67V/cell	136	94.4	77.5	46.5	26.6	14.3	11.8	9.01	7.79	6.23	3.77	1.90
1.60V/cell	141	97.6	79.9	47.1	27.1	14.4	12.1	9.11	8.02	6.38	3.98	1.91

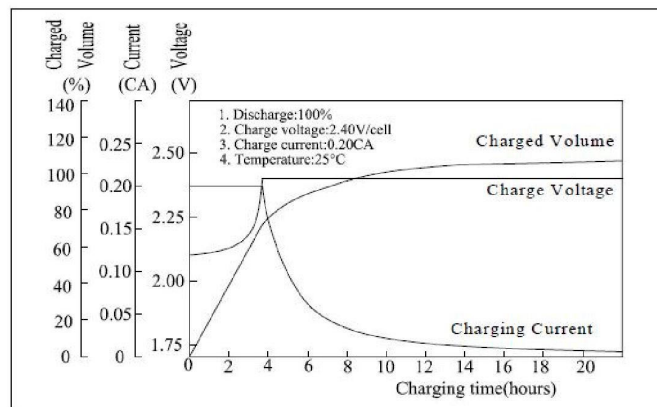
Constant Current Discharge at 25°C(77°F)

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.80V/cell	63.9	44.4	36.5	21.9	12.5	6.72	5.55	4.24	3.67	2.93	1.77	0.93
1.75V/cell	65.1	45.2	37.1	22.3	12.8	6.85	5.65	4.31	3.74	2.98	1.81	0.93
1.70V/cell	67.1	46.6	38.3	22.9	13.1	7.05	5.82	4.45	3.84	3.07	1.82	0.94
1.67V/cell	69.7	48.4	39.7	23.8	13.7	7.33	6.05	4.62	4.00	3.19	1.83	0.94
1.60V/cell	71.6	50.1	41.0	24.2	14.0	7.43	6.19	4.78	4.22	3.38	1.84	0.95

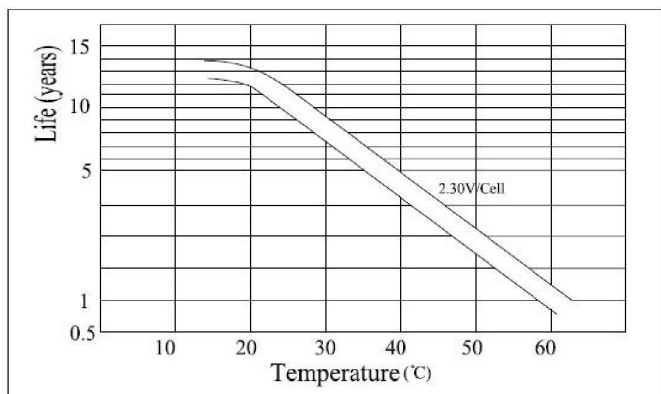
Discharge Characteristics



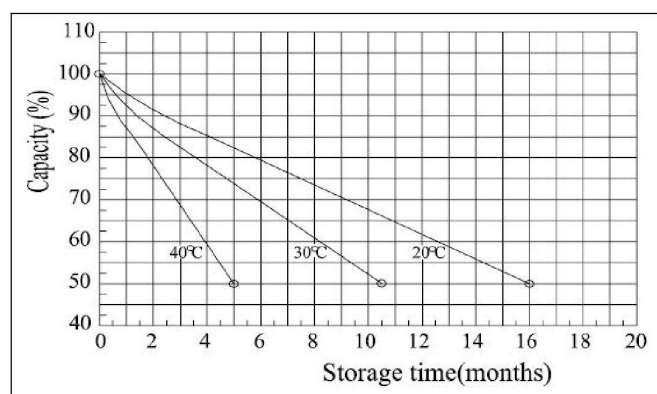
Float Charging Characteristics



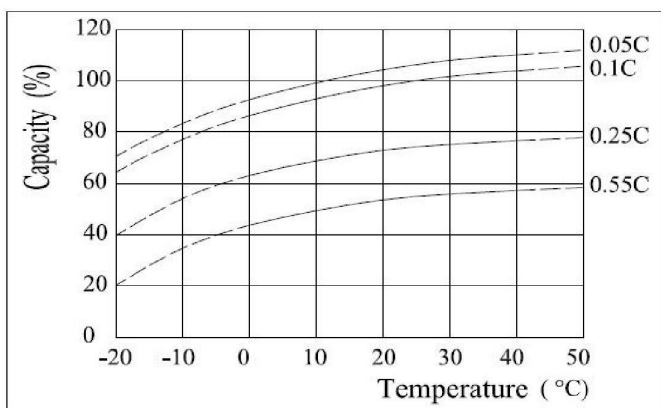
Floating Life on Temperature



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



Temperature Effects in Relation to Battery Capacity



Cycle Life Relation to Depth of Discharge

