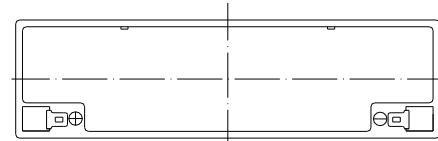
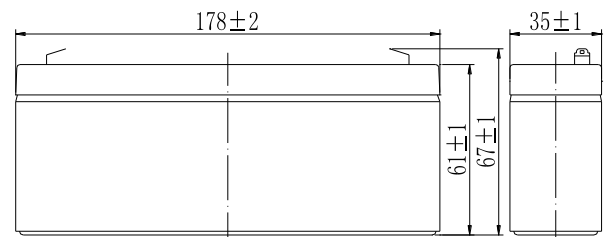


Specifications

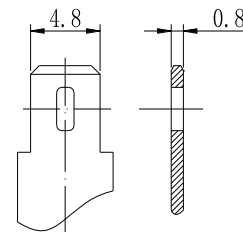
Nominal Voltage		12 V
Capacity (25°C)	20HR(10.5V)	2.3Ah
	120HR(11.1V)	2.1Ah
	1HR(9.60V)	1.5Ah
Dimension	Length	178 ± 2mm (7.01inch)
	Width	35 ± 1mm (1.38inch)
	Height	61 ± 1mm (2.40inch)
	Total Height	67 ± 1mm (2.64inch)
Approx. Weight		0.88kg (1.94lbs) ± 4%
Terminal type & material		T1, Copper
Internal resistance (Fully charged, 25°C)		Approx. 60mΩ
Capacity affected by temperature (20HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
Nominal operating temperature		25°C ± 3°C (77°F ± 5°F)
Operating temperature range	Discharge	-15°C ~ 50°C (5°F ~ 122°F)
	Charge	-10°C ~ 50°C (14°F ~ 122°F)
	Storage	-20°C ~ 50°C (-4°F ~ 122°F)
Float charging voltage(25°C)		13.60 to 13.80V Temperature compensation: -18mV/°C
Cyclic charging voltage(25°C)		14.50 to 14.90V Temperature compensation: -30mV/°C
Maximum charging current		0.69A
Maximum discharge current		34.5A(5 sec.)
Designed floating life(20°C)		10years
Designed cycle life(25°C)		320 cycles@80% DOD



Dimensions



Terminal



Terminal T1

- ◆ Absorbent glass mat technology;
- ◆ ABS container, Recognized by UL & CE;
- ◆ Designed both for deep cycle use&floating charge use;
- ◆ **10 Years long life designed floating life.**

Constant Current Discharge Characteristics (A, 25°C)

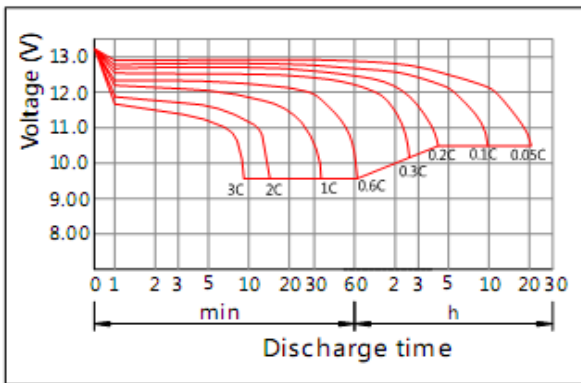
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	8.92	5.61	4.40	2.46	1.51	0.82	0.59	0.47	0.400	0.221	0.118
9.90V	8.65	5.47	4.32	2.41	1.49	0.82	0.59	0.47	0.400	0.216	0.118
10.2V	8.28	5.24	4.14	2.34	1.45	0.81	0.58	0.46	0.396	0.216	0.117
10.5V	7.91	5.01	4.01	2.28	1.42	0.80	0.58	0.46	0.396	0.212	0.115
10.8V	7.50	4.74	3.81	2.19	1.38	0.78	0.56	0.45	0.382	0.212	0.114

Constant Power Discharge Characteristics (Watt, 25°C)

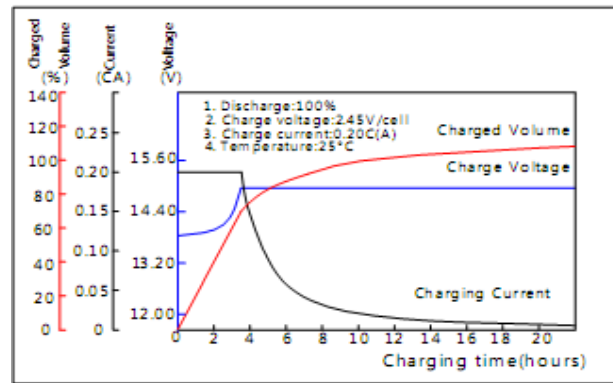
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	99.4	63.0	50.1	28.2	17.5	9.61	7.04	5.61	4.78	2.63	1.41
9.90V	96.6	61.6	48.8	27.6	17.2	9.57	6.99	5.57	4.78	2.61	1.41
10.2V	92.5	58.9	46.9	26.8	16.8	9.48	6.90	5.57	4.74	2.60	1.40
10.5V	88.8	56.6	45.7	26.2	16.5	9.34	6.85	5.52	4.69	2.59	1.38
10.8V	84.2	53.4	43.4	25.2	15.9	9.11	6.72	5.34	4.57	2.53	1.37

Note: The above characteristics data can be obtained within three charge/discharge cycles.

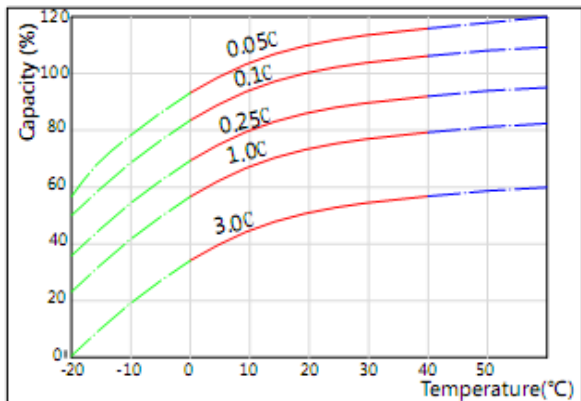
Discharge Characteristics(25°C)



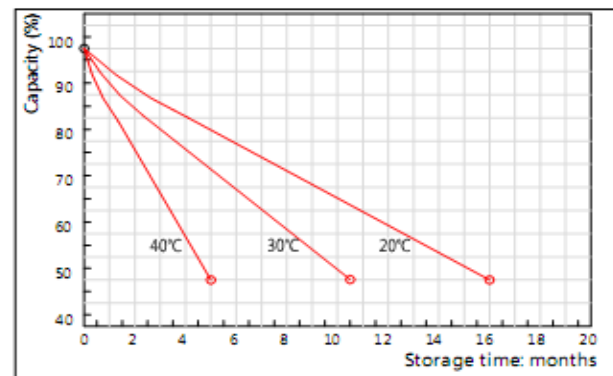
Charging Characteristics(25°C)



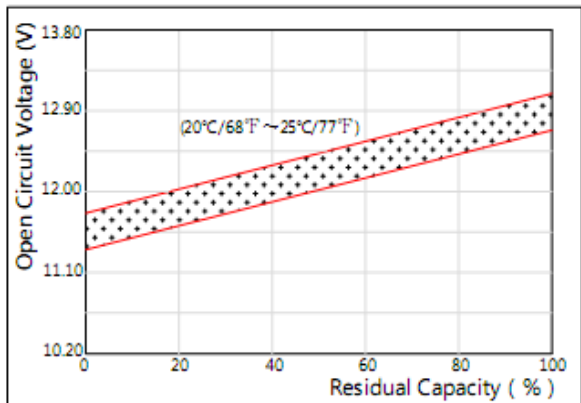
Effect of Temperature on Capacity



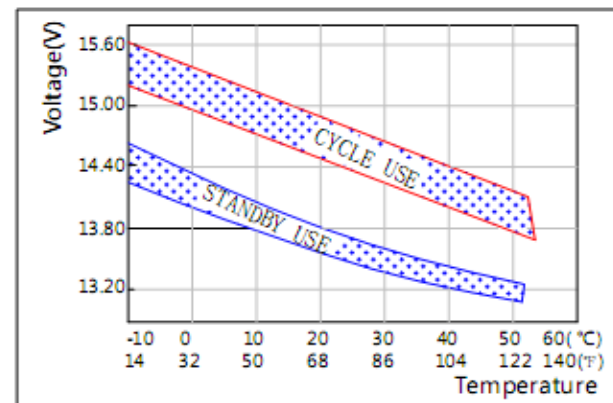
Self-discharge Characteristics



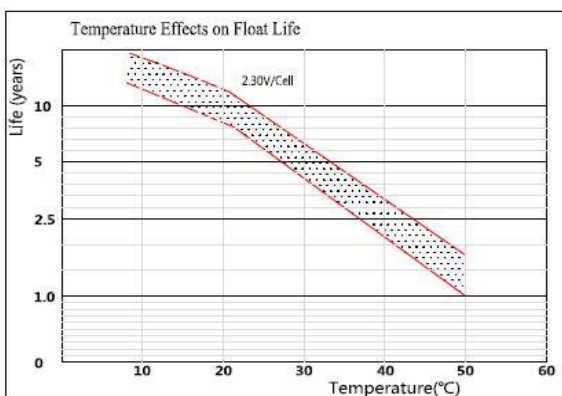
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Typical Use life and Operating Temperature



Cycle Life on D.O.D(25°C)

