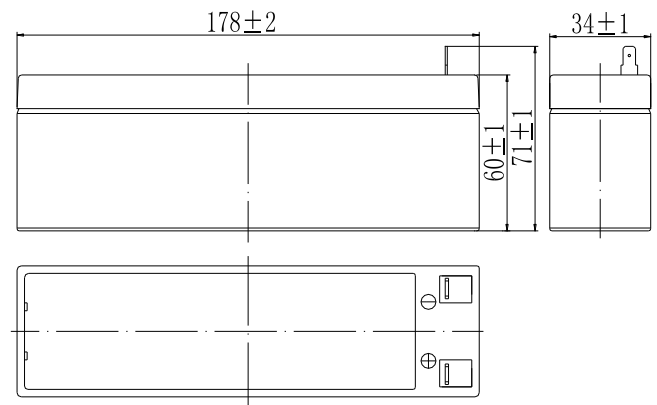


Specifications

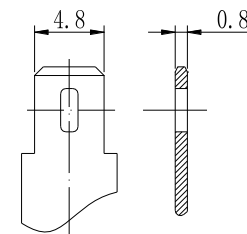
Nominal Voltage		12 V
Capacity (25°C)	20HR(10.5V)	2.6Ah
	120HR(11.1V)	2.4Ah
	1HR(9.60V)	1.69Ah
Dimension	Length	178 ± 2mm (7.01inch)
	Width	34 ± 1mm (1.34inch)
	Height	60 ± 1mm (2.36inch)
	Total Height	71 ± 1mm (2.80inch)
Approx. Weight		0.92kg (2.02lbs) ± 5%
Terminal type & material		T1,Copper
Internal resistance (Fully charged, 25°C)		Approx. 35mΩ
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		0.78A
Maximum discharge current		39A(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)

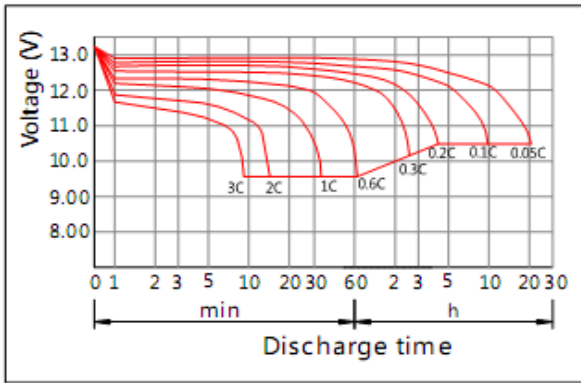
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	10.1	6.34	4.97	2.78	1.71	0.93	0.67	0.53	0.452	0.250	0.133
9.90V	9.78	6.18	4.88	2.72	1.68	0.93	0.67	0.53	0.452	0.244	0.133
10.2V	9.36	5.92	4.68	2.65	1.64	0.92	0.66	0.52	0.448	0.244	0.132
10.5V	8.94	5.66	4.53	2.58	1.61	0.90	0.66	0.52	0.448	0.240	0.130
10.8V	8.48	5.36	4.31	2.48	1.56	0.88	0.63	0.51	0.432	0.240	0.129

Constant Power Discharge Characteristics (Watt, 25°C)

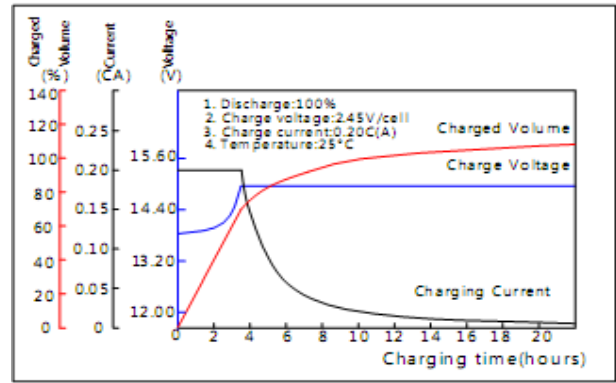
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	112	71.2	56.6	31.9	19.8	10.9	7.96	6.34	5.40	2.97	1.59
9.90V	109	69.6	55.2	31.2	19.4	10.8	7.90	6.30	5.40	2.95	1.59
10.2V	105	66.6	53.0	30.3	19.0	10.7	7.80	6.30	5.36	2.94	1.58
10.5V	100	64.0	51.7	29.6	18.7	10.6	7.74	6.24	5.30	2.93	1.56
10.8V	95.2	60.4	49.1	28.5	18.0	10.3	7.60	6.04	5.17	2.86	1.55

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

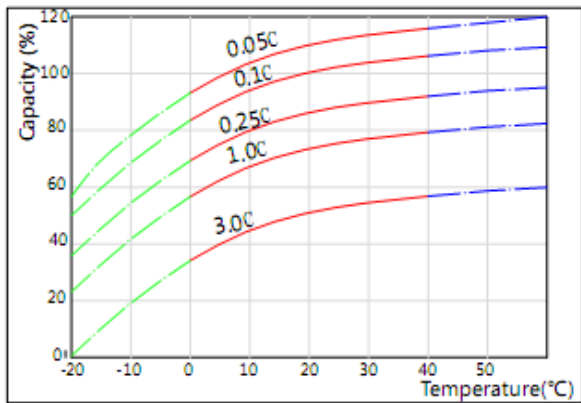
Discharge Characteristics(25°C)



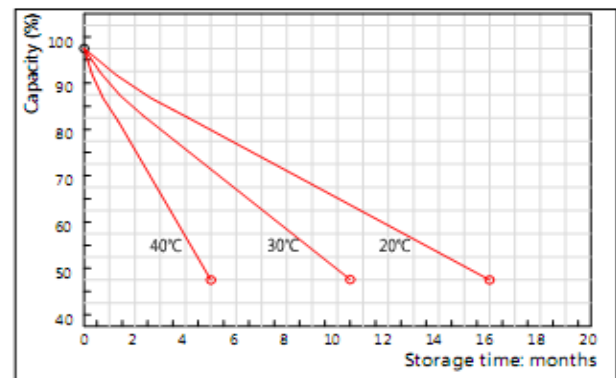
Charging Characteristics(25°C)



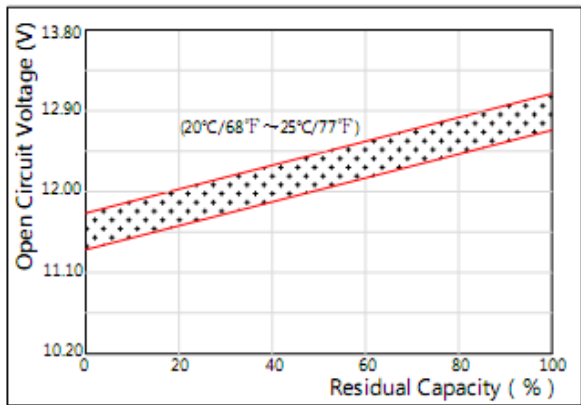
Effect of Temperature on Capacity



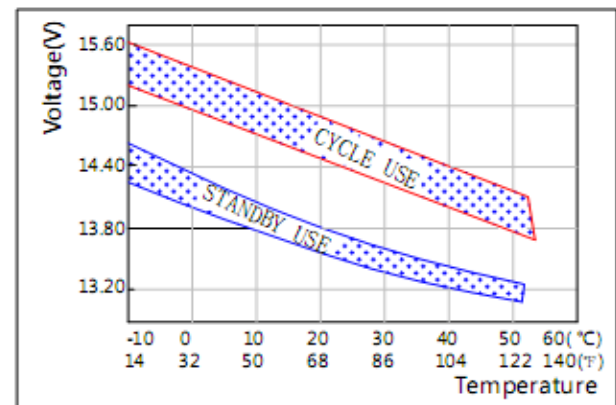
Self-discharge Characteristics



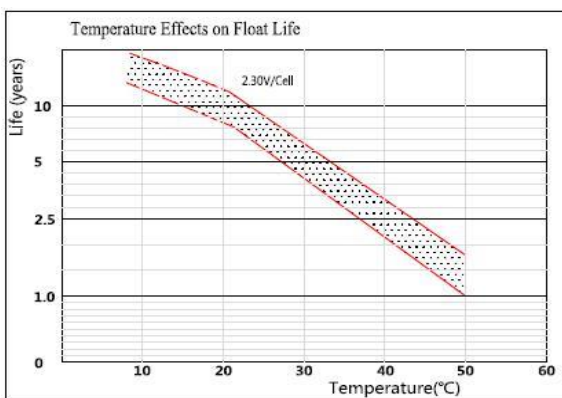
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Typical Use life and Operating Temperature



Cycle Life on D.O.D(25°C)

