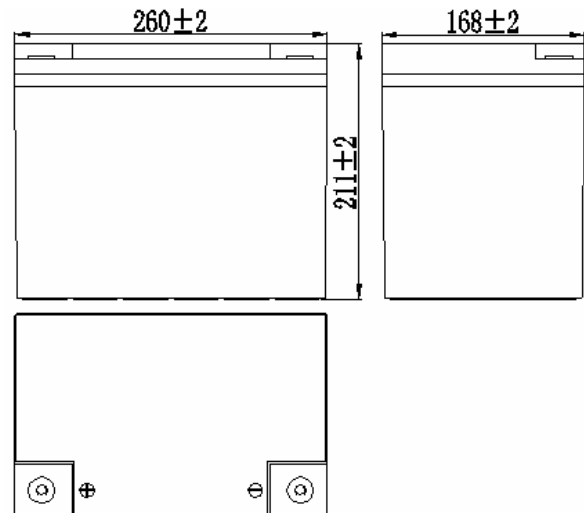


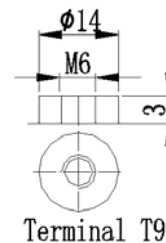
Specifications

Nominal Voltage		12 V
Capacity (25°C)	120HR(11.1V)	72Ah
	10HR(10.8V)	60Ah
	1HR(9.6V)	33.6Ah
Dimension	Length	260±2mm (10.2inch)
	Width	168±2mm (6.61inch)
	Height	211±2mm (8.31inch)
	Total Height	T9: 233±2mm (9.17inch)
Approx. Weight		Approx 22.0kg (48.4lbs)
Terminal type		T9
Internal resistance (Fully charged, 25°C)		Approx. 8.2mΩ
Capacity affected by temperature (10HR)	40°C	103%
	25°C	100%
	0°C	88%
	-15°C	70%
Self-discharge (25°C)	3 month	Remaining Capacity: 94%
	6 month	Remaining Capacity: 88%
	12 month	Remaining Capacity: 75%
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)		13.50 to 13.62V Temperature compensation: -18mV/°C
Cyclic charging voltage(25°C)		14.10 to 14.40V Temperature compensation: -24mV/°C
Maximum charging current		12A
Terminal material		Copper
Maximum discharge current		300A (5 sec.)
Designed floating life(20°C)		20 years

Dimensions



Terminal



- ◆ Gelled electrolyte technology;
- ◆ Tubular Positive Plate;
- ◆ ABS container.
- ◆ DIN 40742 Standard

Constant Current Discharge Characteristics (A, 25°C)

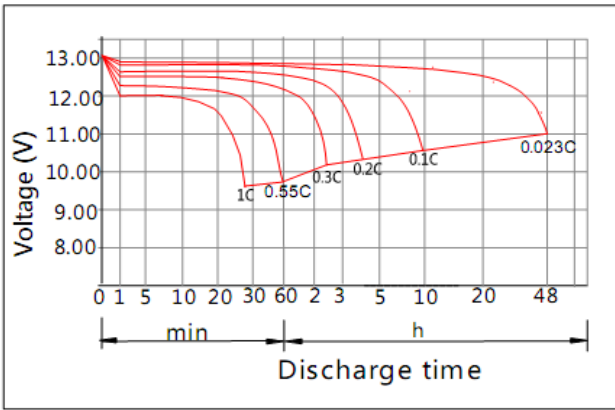
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h	72h	120h
1.65V	51.4	33.0	21.5	15.3	13.3	11.4	9.73	7.33	6.09	3.21	2.93	---	---	---
1.70V	49.9	32.2	21.3	15.2	13.1	11.3	9.66	7.26	6.08	3.20	2.91	---	---	---
1.75V	48.5	31.6	21.0	15.0	12.9	11.2	9.60	7.14	6.03	3.18	2.89	1.44	---	---
1.80V	46.8	30.6	20.5	14.8	12.8	10.9	9.28	7.07	6.00	3.16	2.87	1.44	---	---
1.85V	43.5	28.4	19.0	14.1	11.9	10.2	8.65	6.63	5.64	2.97	2.72	1.40	0.97	0.60

Constant Power Discharge Characteristics (Watt, 25°C)

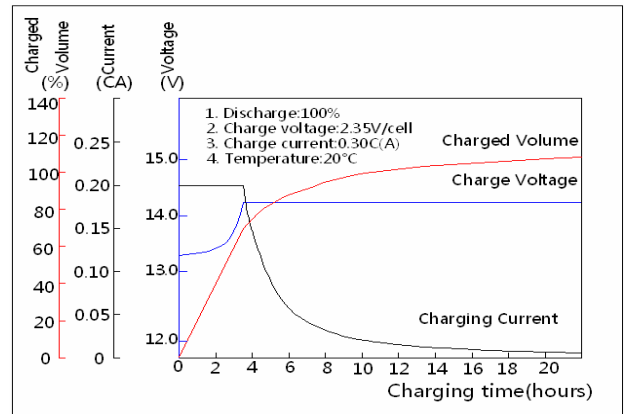
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h	48h	72h	120h
1.65V	95.4	61.4	41.1	29.5	25.6	22.2	19.1	14.4	12.1	6.34	5.79	---	---	---
1.70V	93.0	60.2	41.0	29.4	25.5	22.2	19.0	14.3	12.0	6.30	5.79	---	---	---
1.75V	91.2	59.6	40.6	29.3	25.3	21.9	19.0	14.2	12.0	6.30	5.75	2.89	---	---
1.80V	87.6	58.1	39.7	29.1	25.2	21.6	18.4	14.1	11.9	6.24	5.74	2.89	---	---
1.85V	82.8	54.6	37.1	27.9	23.6	20.2	17.2	13.2	11.3	5.94	5.45	2.82	1.97	1.24

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

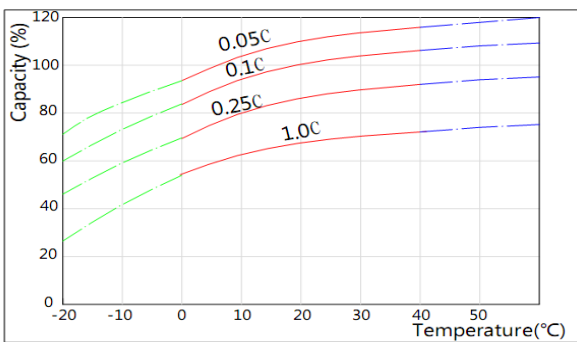
Discharge Characteristics(25°C)



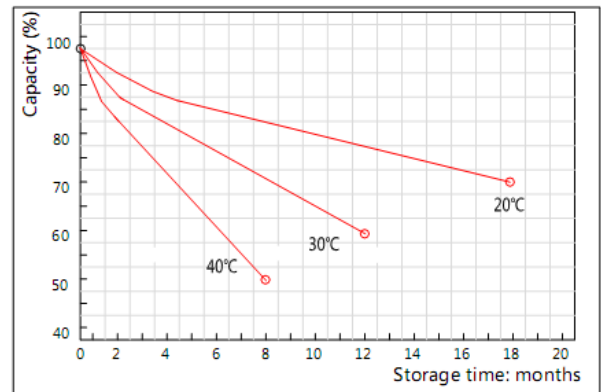
Charging Characteristics(25°C)



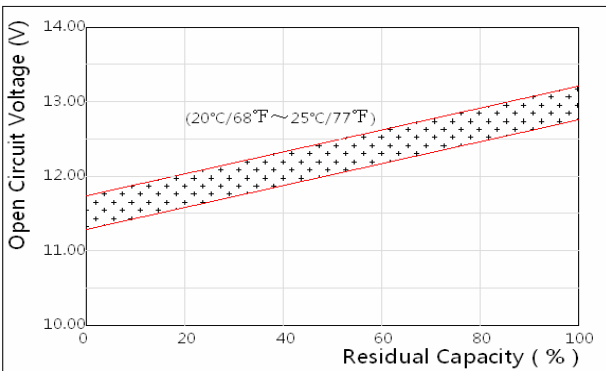
Effect of Temperature on Capacity



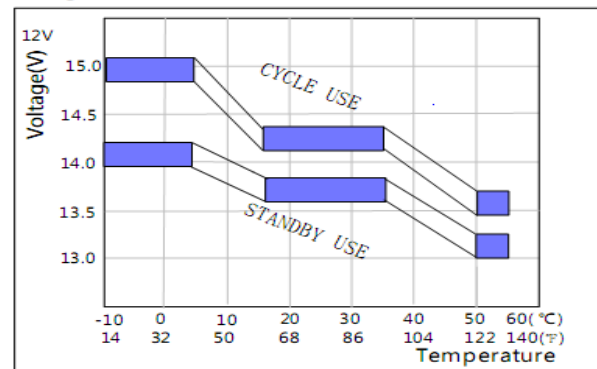
Self-discharge Characteristics



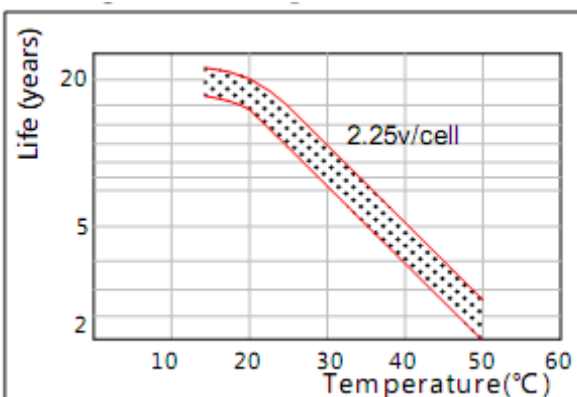
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

