

Specifications

Nominal Voltage		12 V
Capacity (25°C)	10HR(10.8V)	70 Ah
	5HR(10.5V)	61.5Ah
	1HR(9.60V)	43.4Ah
Dimension	Length	260mm ± 2 (10.24inch)
	Width	168mm ± 2 (6.61inch)
	Height	211mm ± 2 (8.31inch)
	Total Height	T5: 233 ± 2mm (9.17inch) T9: 214 ± 2mm (8.43inch)
Approx. Weight		21.5kg (47.3lbs) ± 4%
Terminal type		T5/T9
Internal resistance (Fully charged, 25°C)		Approx. 6.5mΩ
Capacity affected by temperature (10HR)	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)		13.50 to 13.80V Temperature compensation: -18mV/°C
Cyclic charging voltage(25°C)		14.50 to 14.90V Temperature compensation: -30mV/°C
Maximum charging current		21A
Terminal material		Copper
Maximum discharge current		700A(5 sec.)
Designed floating life(20°C)		10~15 years

- ◆ Absorbent glass mat technology;
- ◆ Recognized by UL & CE;
- ◆ ABS container.

Constant Current Discharge Characteristics (A, 25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	171.14	127.56	73.82	43.31	25.95	19.05	15.47	13.06	8.73	7.46	3.83
1.65V	165.97	124.18	72.19	42.52	25.57	18.81	15.28	12.92	8.65	7.39	3.8
1.70V	159.3	119.8	70.05	41.45	25.06	18.47	15.02	12.72	8.53	7.3	3.76
1.75V	150.65	114.13	67.24	40.05	24.4	18.02	14.69	12.45	8.37	7.17	3.7
1.80V	139.6	106.77	63.61	38.23	23.52	17.43	14.24	12.09	8.16	7.0	3.63

Constant Power Discharge Characteristics (Watt, 25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	295.22	226.37	136.12	82.21	49.92	36.95	30.16	25.56	17.3	14.89	7.65
1.65V	294.03	225.07	135.12	81.54	49.55	36.68	29.94	25.4	17.18	14.78	7.6
1.70V	285.27	219.0	131.84	79.78	48.73	36.11	29.51	25.05	16.98	14.6	7.53
1.75V	274.63	211.54	127.86	77.47	47.64	35.38	28.96	24.62	16.7	14.36	7.43
1.80V	258.91	200.7	122.19	74.3	46.16	34.36	28.17	24	16.32	14.05	7.29

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

12V Voltage 70Ah Capacity 15years Design Life



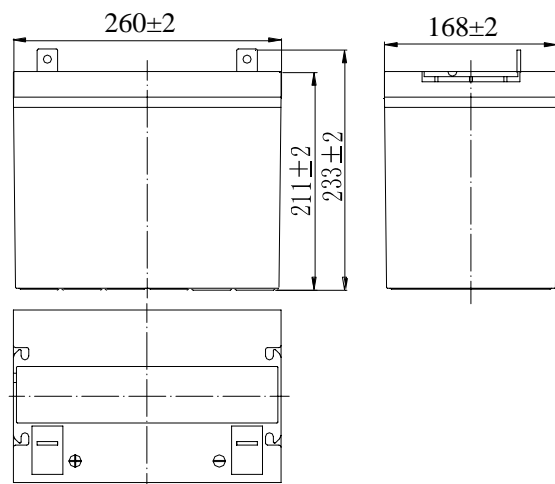
ISO9001



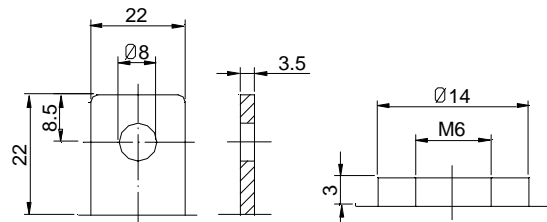
ISO14001



Dimensions



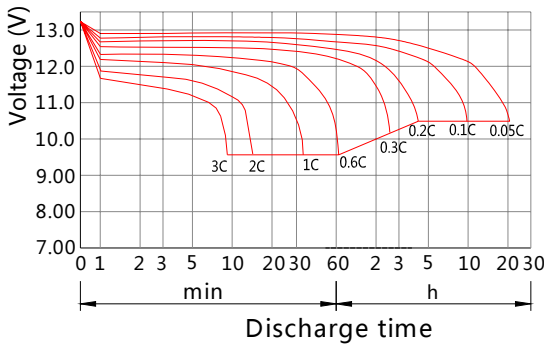
Terminal



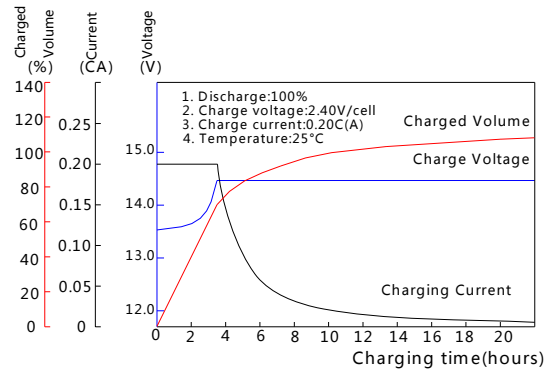
Terminal T5

Terminal T9

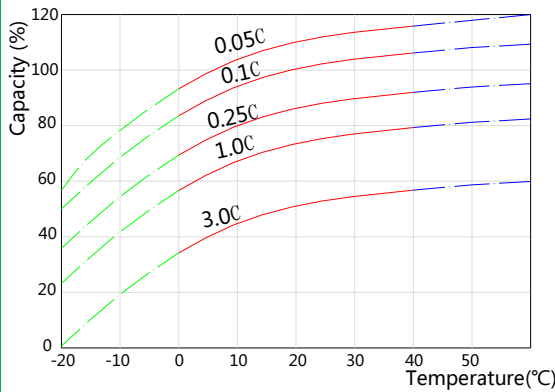
Discharge Characteristics(25°C)



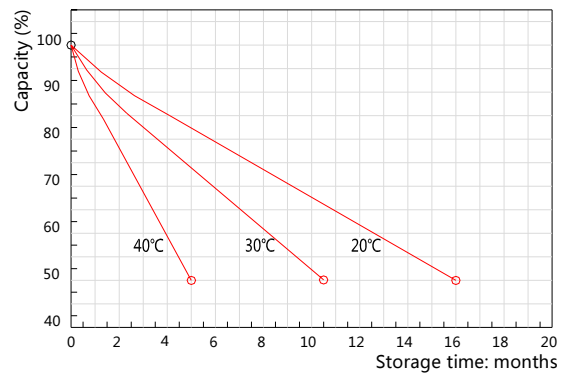
Charging Characteristics(25°C)



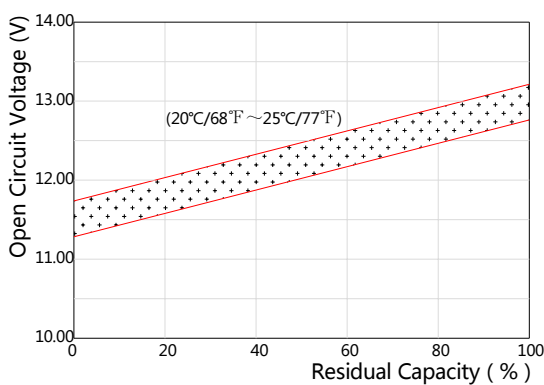
Effect of Temperature on Capacity



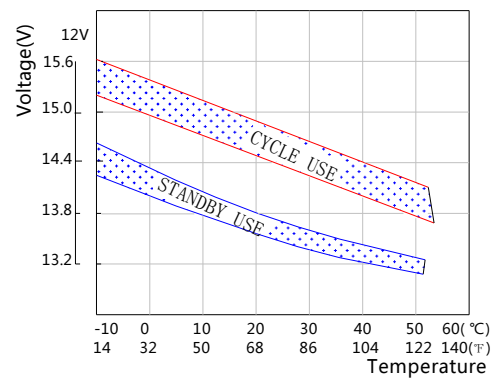
Self-discharge Characteristics



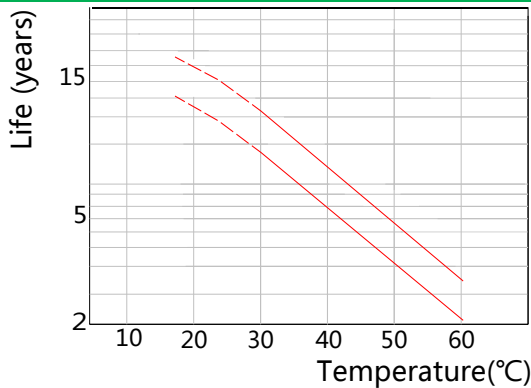
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D.(25°C)

