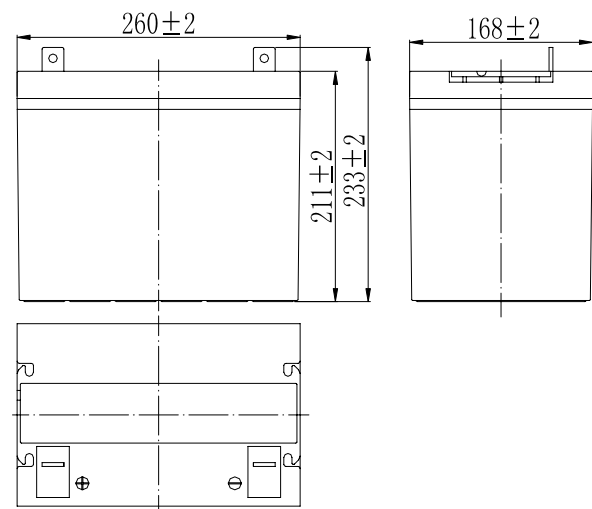


Specifications

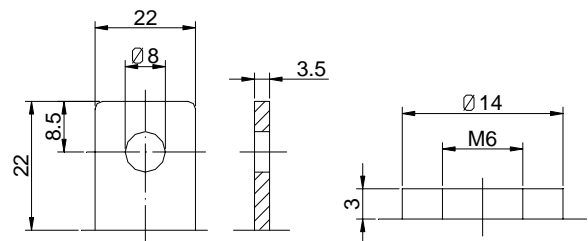
Nominal Voltage		12 V
Capacity (25°C)	10HR(10.8V)	60 Ah
	5HR(10.5V)	49Ah
	1HR(9.60V)	36Ah
Dimension	Length	260mm±2 (10.24inch)
	Width	168mm±2 (6.61inch)
	Height	211mm±2 (8.31inch)
	Total Height	T5: 233±2mm (9.17inch) T9: 214±2mm (8.43inch)
Approx. Weight		19.2kg (42.3lbs)±4%
Terminal type		T5/T9
Internal resistance (Fully charged, 25°C)		Approx. 7.7mΩ
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)		14.40 to 14.70V Temperature compensation: -30mV/°C
Maximum charging current		15A
Terminal material		Copper
Maximum discharge current		600A(5 sec.)
Designed floating life(20°C)		10 years

- ◆ Gelled electrolyte technology;
- ◆ AGM separator;
- ◆ Recognized by UL & CE;
- ◆ ABS container.

Dimensions



Terminal



Terminal T5

Terminal T9

Constant Current Discharge Characteristics (A, 25°C)

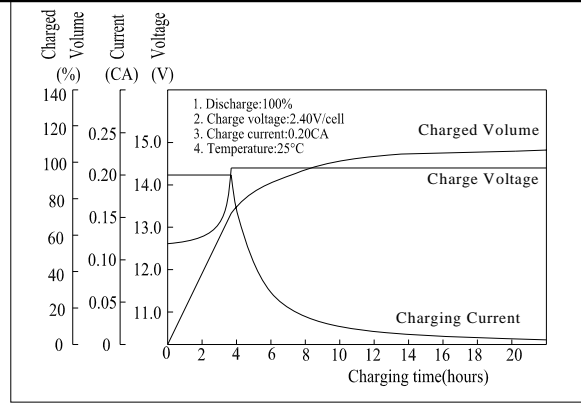
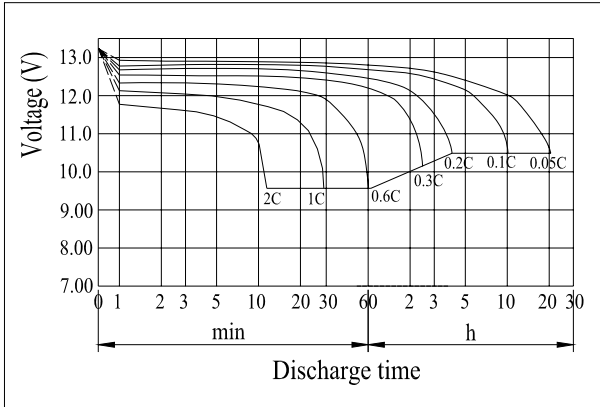
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	99.0	91.2	57.6	36.0	21.6	14.7	11.6	10.2	7.22	6.11	3.15
9.90V	96.0	89.0	56.4	35.5	21.5	14.6	11.6	10.1	7.18	6.10	3.14
10.2V	92.1	85.7	54.7	34.6	21.3	14.5	11.5	10.0	7.13	6.08	3.13
10.5V	88.1	82.8	53.4	33.9	21.0	14.4	11.4	9.96	7.08	6.04	3.11
10.8V	83.2	78.4	51.4	32.8	20.4	14.0	11.1	9.66	6.87	6.00	3.09

Constant Power Discharge Characteristics (Watt, 25°C)

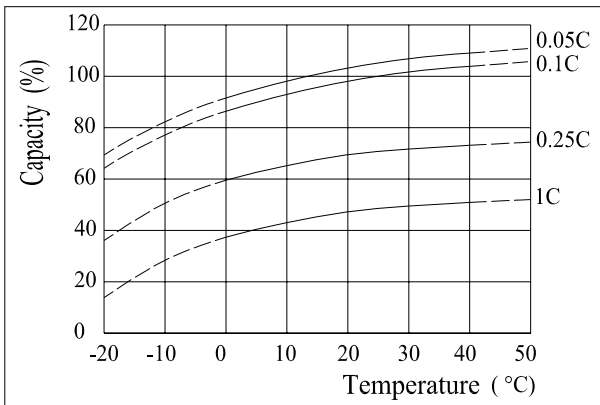
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	1069	1001	646	410	250	173	137	120	85.8	72.9	37.7
9.90V	1037	977	633	404	249	172	136	119	85.3	72.8	37.7
10.2V	994	941	614	394	247	171	135	119	84.7	72.6	37.6
10.5V	952	909	599	386	243	169	134	118	84.1	72.1	37.3
10.8V	898	861	577	374	237	164	130	114	81.6	71.6	37.1

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

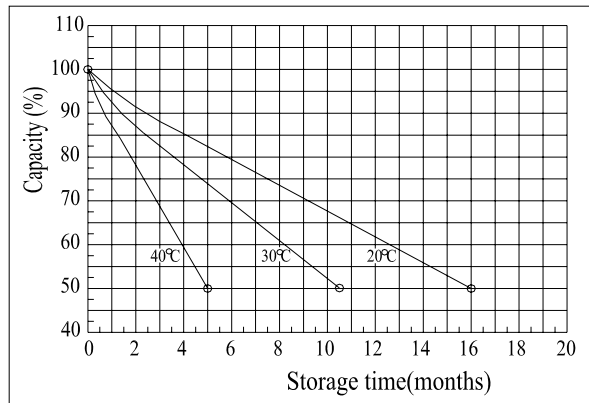
Discharge Characteristics(25°C)



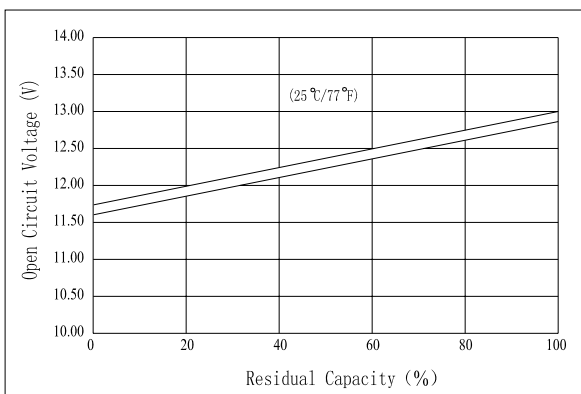
Effect of Temperature on Capacity



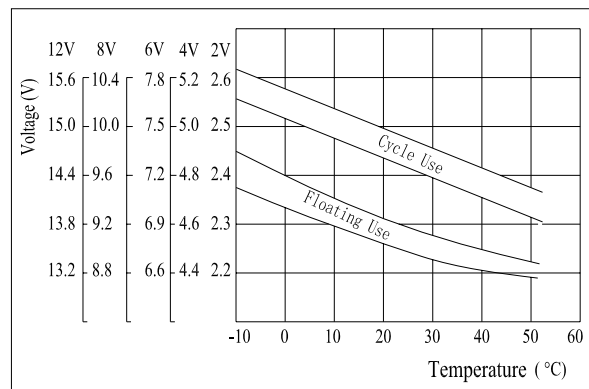
Self-discharge Characteristics



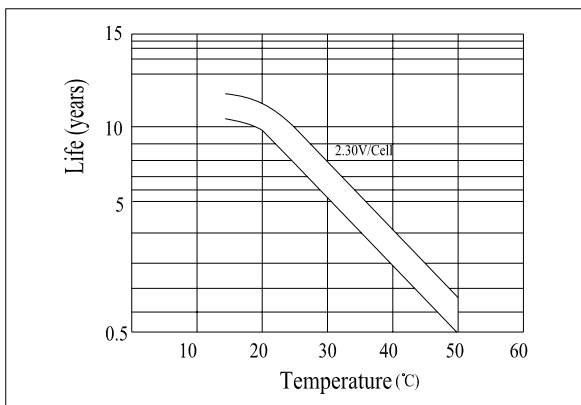
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



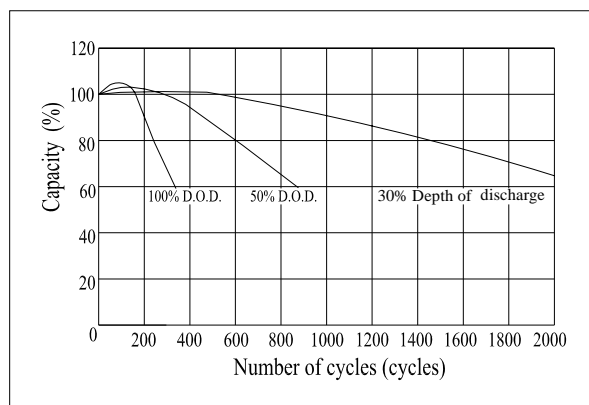
The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)



Charging Characteristics(25°C)