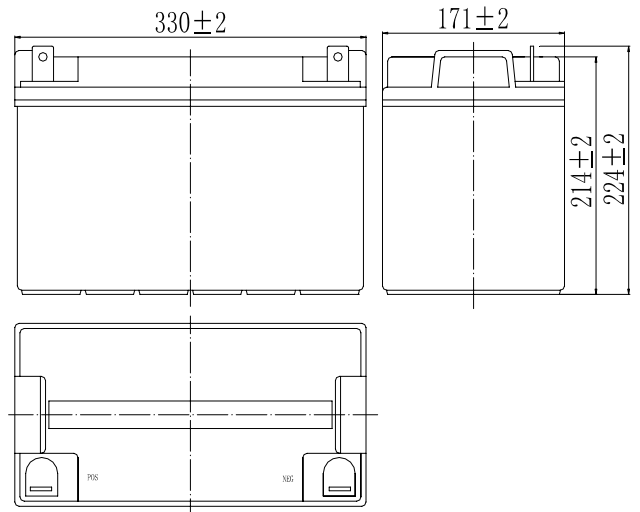


Specifications

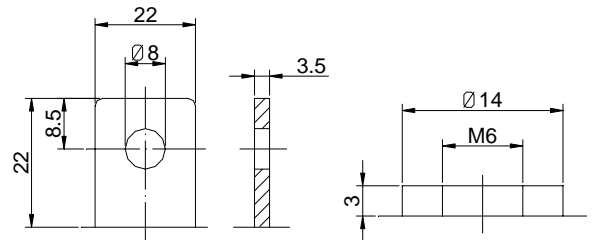
Nominal Voltage		12 V
Capacity (25°C)	10HR(10.8V)	100 Ah
	5HR(10.5V)	83Ah
	1HR(9.60V)	60Ah
Dimension	Length	330±2mm (12.99inch)
	Width	171±2mm (6.73inch)
	Height	214±2mm (8.43inch)
	Total Height	T5: 224±2mm (8.82inch) T9: 220±2mm (8.66inch)
Approx. Weight		30.5kg (67.3lbs)±4%
Terminal type		T5/T9
Internal resistance (Fully charged, 25°C)		Approx. 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)		14.40 to 14.70V Temperature compensation: -30mV/°C
Maximum charging current		25A
Terminal material		Copper
Maximum discharge current		800A(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)

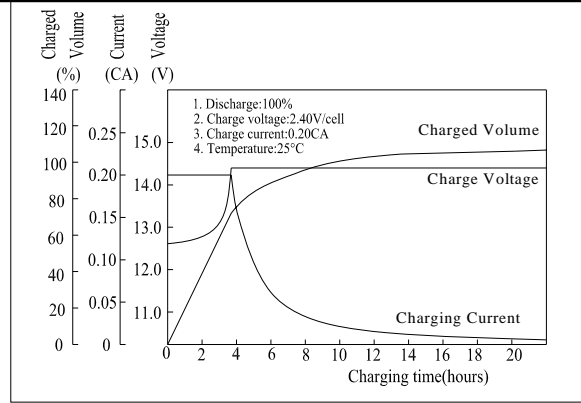
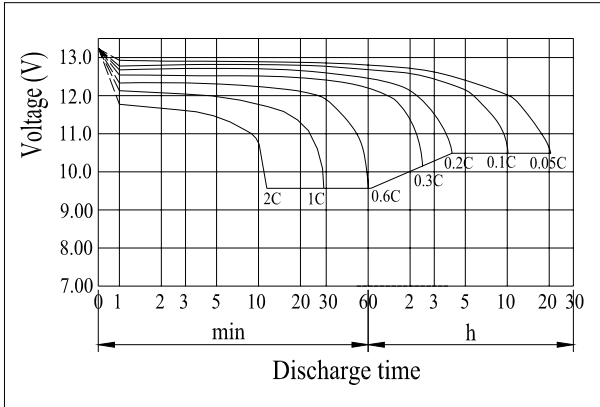
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	165	152	96.0	60.0	36.0	24.5	19.4	16.9	12.0	10.2	5.24
9.90V	160	148	94.1	59.1	35.8	24.3	19.3	16.8	12.0	10.2	5.23
10.2V	153	143	91.2	57.6	35.5	24.2	19.1	16.7	11.9	10.1	5.22
10.5V	147	138	89.0	56.5	35.0	24.0	19.0	16.6	11.8	10.1	5.19
10.8V	139	131	85.7	54.7	34.1	23.3	18.4	16.1	11.4	10.0	5.15

Constant Power Discharge Characteristics (Watt, 25°C)

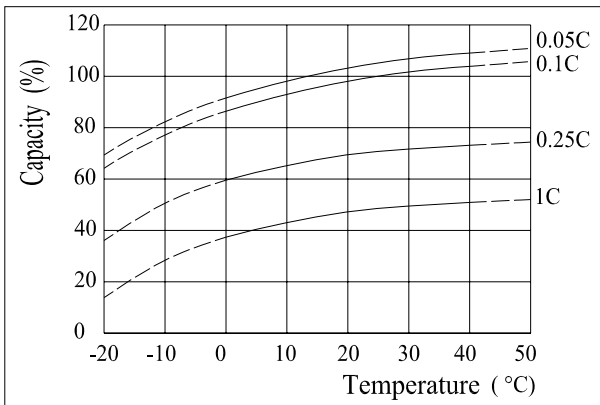
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	1782	1669	1077	684	417	288	228	200	143	122	62.9
9.90V	1729	1629	1056	674	415	286	227	199	142	121	62.8
10.2V	1657	1569	1023	657	411	284	225	198	141	121	62.6
10.5V	1586	1515	998	644	405	282	223	196	140	120	62.2
10.8V	1497	1435	962	624	395	274	217	190	136	119	61.8

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

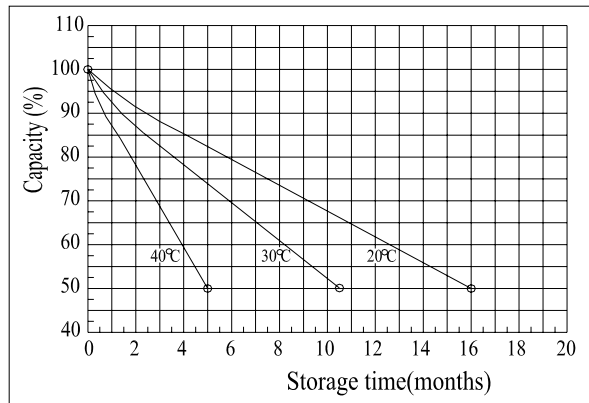
Discharge Characteristics(25°C)



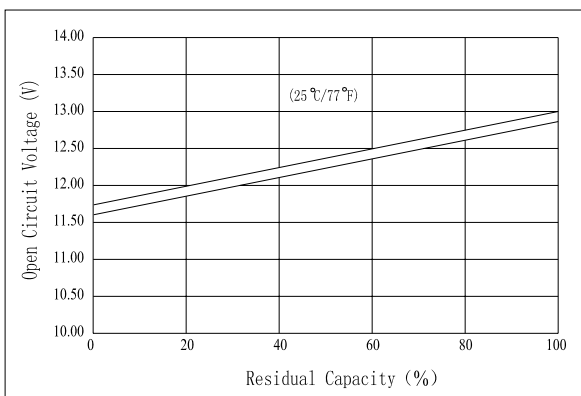
Effect of Temperature on Capacity



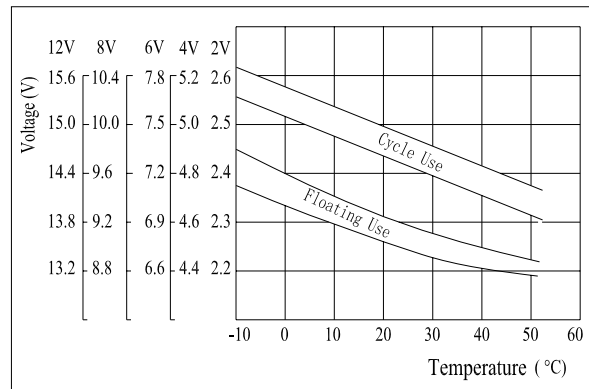
Self-discharge Characteristics



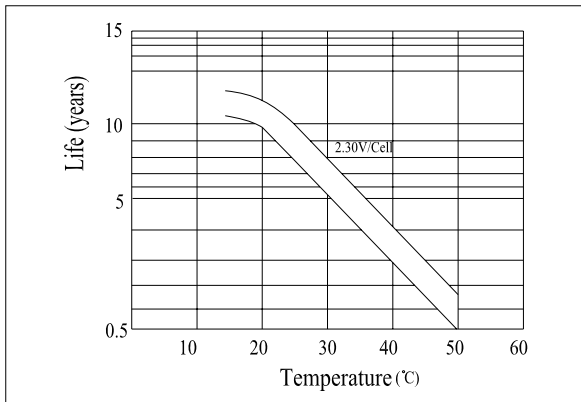
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



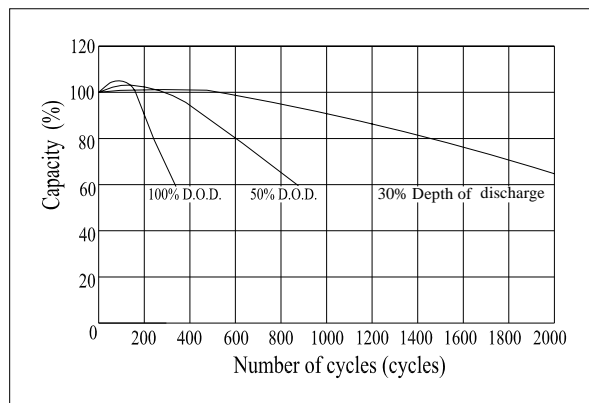
The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)



Charging Characteristics(25°C)