

**Specifications**

Nominal Voltage		12 V
Capacity (25°C)	10HR(10.8V)	100 Ah
	5HR(10.5V)	83Ah
	1HR(9.60V)	62.5Ah
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		30.2kg (66.4lbs) ± 4%
Terminal type		T5/T9
Internal resistance (Fully charged, 25°C)		Approx. 5m Ω
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)		14.10 to 14.40V Temperature compensation: -30mV/°C
Maximum charging current		25.0A
Terminal material		Copper
Maximum discharge current		800A(5 sec.)
Designed floating life(20°C)		12-15 years

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

**Constant Current Discharge Characteristics (A, 25°C)**

F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	321	242	185	114	62.5	37.8	27.2	21.8	17.2	12.4	10.4	5.50
9.90V	319	240	180	112	61.5	37.5	26.8	21.6	16.9	12.3	10.2	5.40
10.2V	285	231	177	110	60.3	37.2	26.4	21.4	16.8	12.2	10.1	5.30
10.5V	267	225	172	108	59.2	36.8	25.8	21.3	16.6	12.1	10.1	5.20
10.8V	260	206	165	106	58.0	36.0	25.4	20.8	16.4	11.9	10.0	5.05

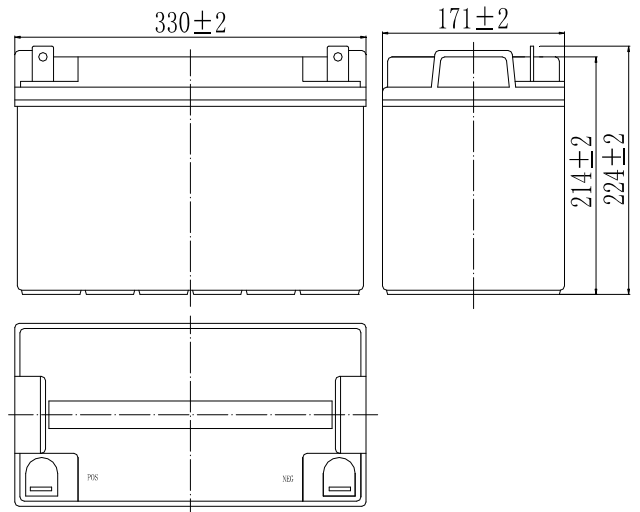
**Constant Power Discharge Characteristics (Watt per cell, 25°C)**

F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	610	465	348	218	119	72.0	51.6	41.7	32.7	23.8	19.9	10.6
9.90V	605	460	340	214	117	71.0	51.0	41.4	32.4	23.6	19.7	10.3
10.2V	540	438	335	209	115	70.6	50.4	41.0	32.0	23.4	19.5	10.1
10.5V	506	426	325	205	113	70.2	50.2	40.6	31.8	23.2	19.3	9.9
10.8V	493	390	312	200	111	66.1	48.2	39.6	31.2	22.7	19.0	9.6

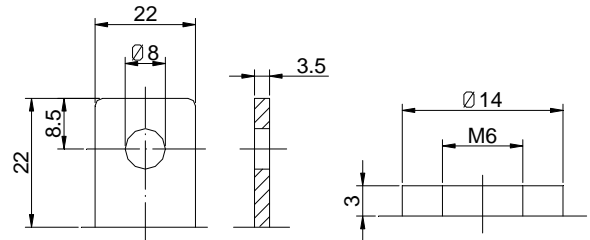
Note: The above characteristics data can be obtained within three charge/discharge cycles.



**Dimensions**



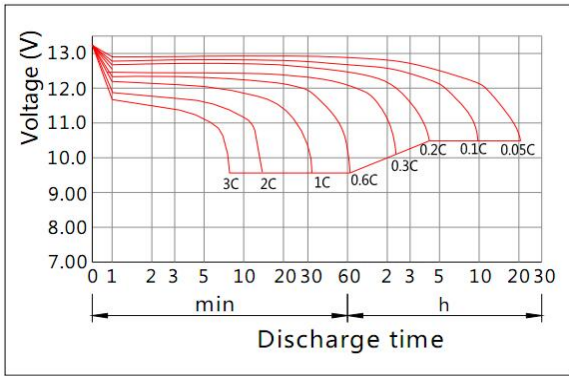
**Terminal**



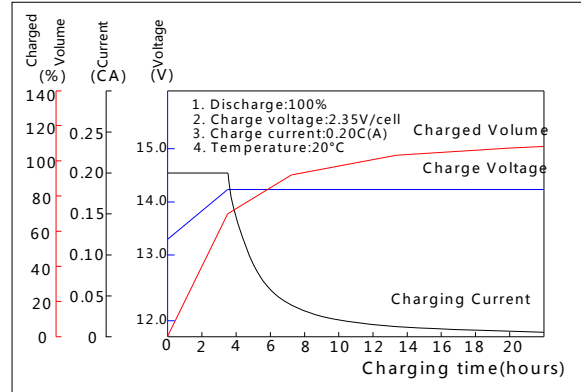
Terminal T5

Terminal T9

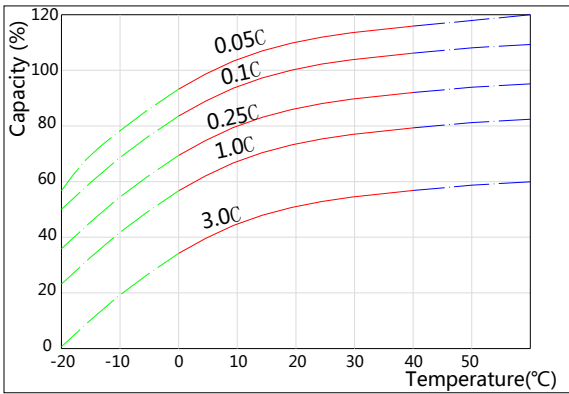
Discharge Characteristics(25°C)



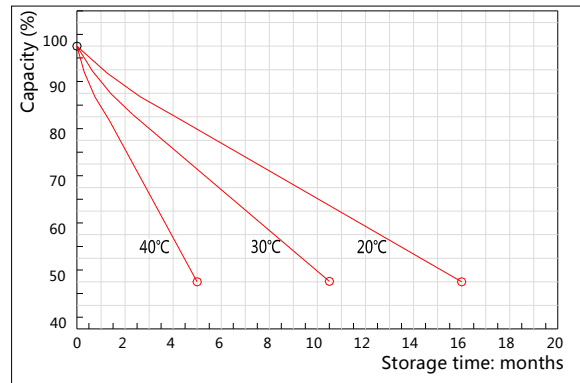
Charging Characteristics(25°C)



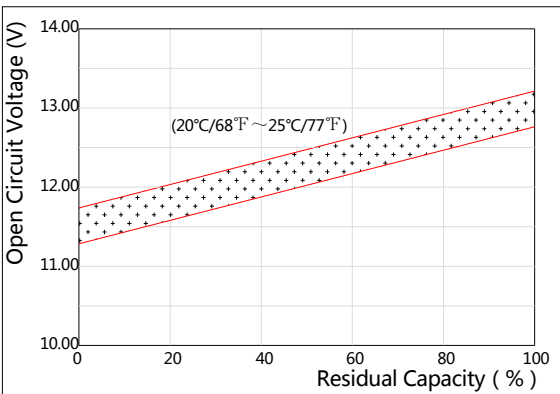
Effect of Temperature on Capacity



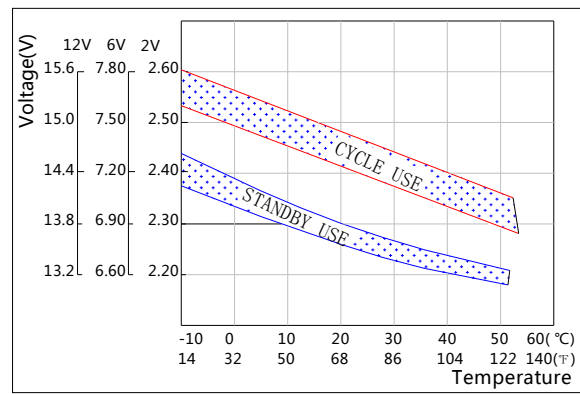
Self-discharge Characteristics



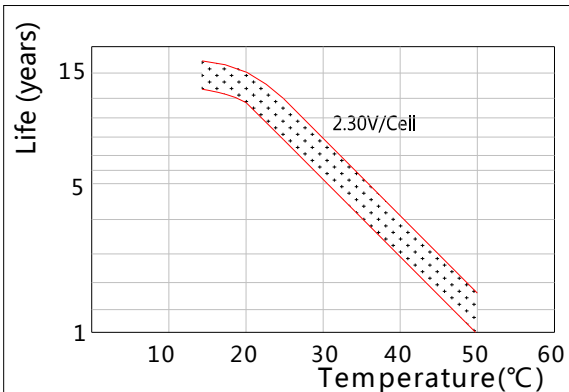
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

