

**Specifications**

Nominal Voltage		12 V
Capacity (25°C)	20HR(10.5V)	26Ah
	120HR(11.1V)	29.5Ah
	1HR(9.60V)	17.1Ah
Dimension	Length	166 ± 2mm (6.54inch)
	Width	175 ± 2mm (6.89inch)
	Height	125 ± 2mm (4.92inch)
	Total Height	125 ± 2mm (4.92inch)
Approx. Weight		7.8kg (17.2lbs) ± 4%
Terminal type & material		T3/T8,Copper
Internal resistance (Fully charged, 25°C)		Approx. 12m Ω
Capacity affected by temperature (20HR)	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)		13.60 to 13.80V Temperature compensation: -18mV/°C
Cyclic charging voltage(25°C)		14.50 to 14.90V Temperature compensation: -30mV/°C
Maximum charging current		7.8A
Maximum discharge current		360A(5 sec.)
Designed floating life(20°C)		10years
Designed cycle life(25°C)		350 cycles@80% DOD

- ◆ Absorbent glass mat technology;
- ◆ ABS container, Recognized by UL & CE;
- ◆ Designed both for deep cycle use&floating charge use;
- ◆ **10 Years long life designed floating life.**

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

F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	101	63.5	49.7	27.8	17.1	9.33	6.68	5.35	4.53	2.49	1.33
9.90V	97.7	61.9	48.9	27.3	16.8	9.25	6.65	5.31	4.53	2.45	1.33
10.2V	93.6	59.3	46.8	26.4	16.4	9.18	6.58	5.28	4.50	2.45	1.32
10.5V	89.5	56.9	45.3	25.8	16.0	9.02	6.53	5.23	4.45	2.42	1.30
10.8V	84.7	53.5	43.1	24.8	15.5	8.81	6.35	5.09	4.31	2.37	1.29

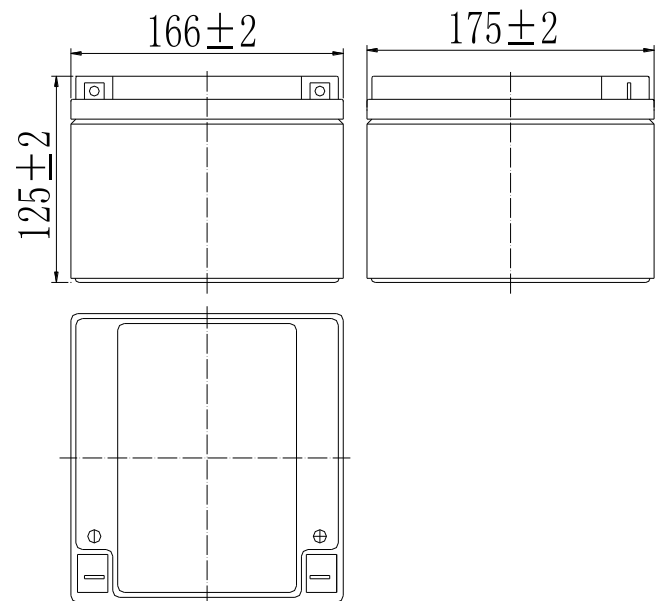
**Constant Power Discharge Characteristics (Watt, 25°C)**

F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	1126	713	564	319	197	108	79.3	63.5	54.3	29.7	15.9
9.90V	1092	694	554	313	195	108	78.9	63.2	53.8	29.6	15.9
10.2V	1048	665	531	303	190	107	78.0	62.7	53.5	29.5	15.8
10.5V	1003	639	517	297	186	106	77.7	62.4	53.1	29.3	15.7
10.8V	951	601	491	285	180	103	75.7	60.6	51.7	28.6	15.5

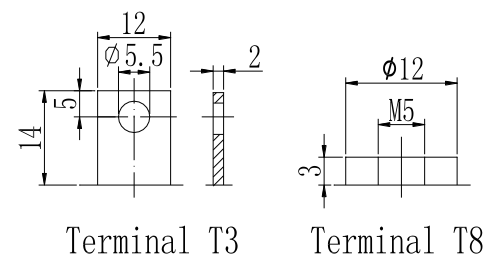
Note: The above characteristics data can be obtained within three charge/discharge cycles. Page 1of 2.



**Dimensions**



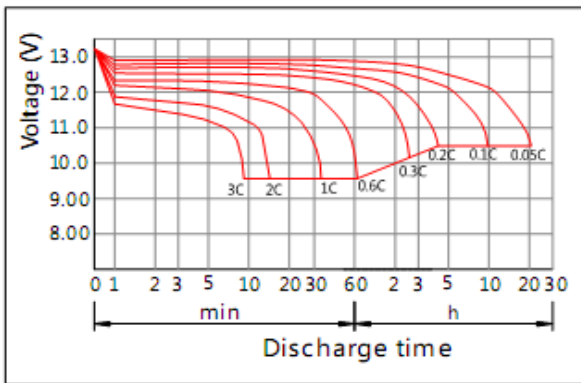
**Terminal**



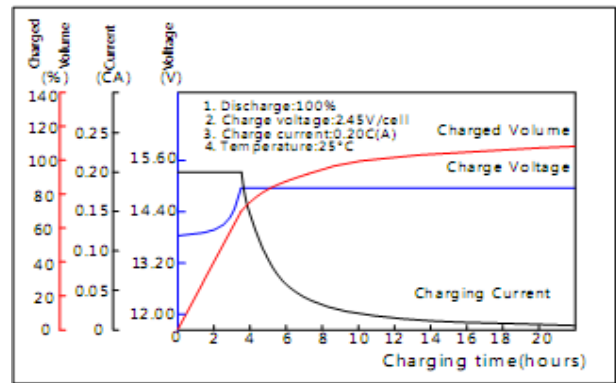
Terminal T3

Terminal T8

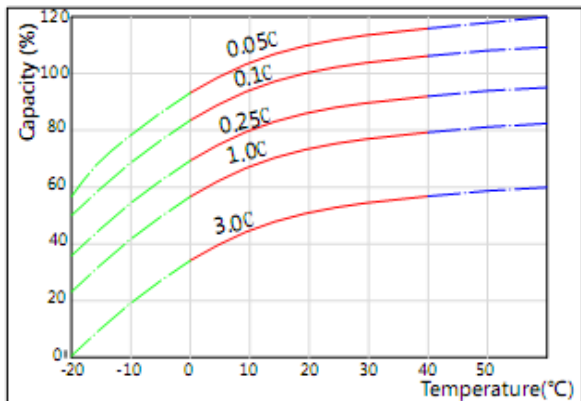
Discharge Characteristics(25°C)



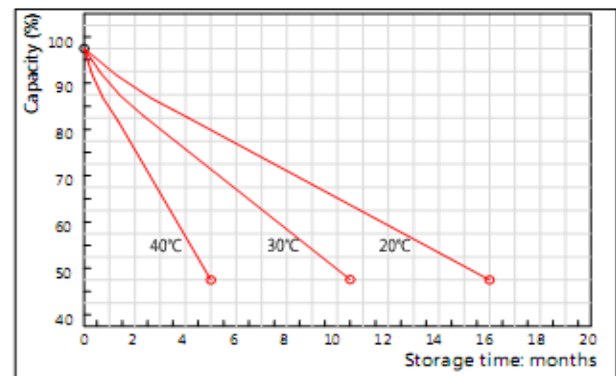
Charging Characteristics(25°C)



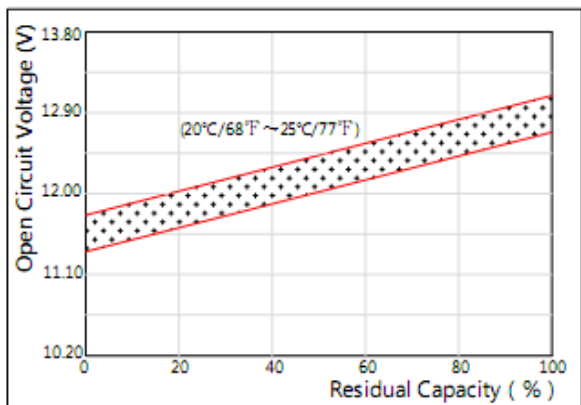
Effect of Temperature on Capacity



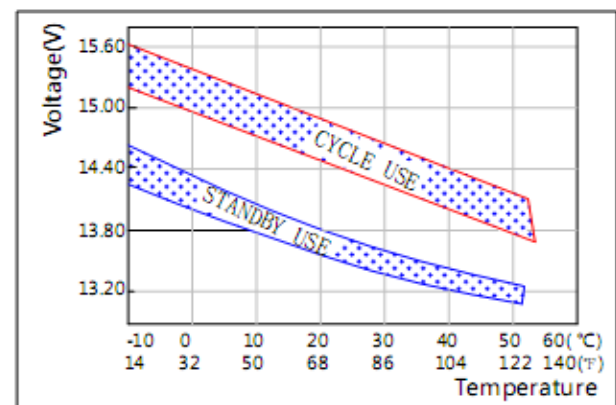
Self-discharge Characteristics



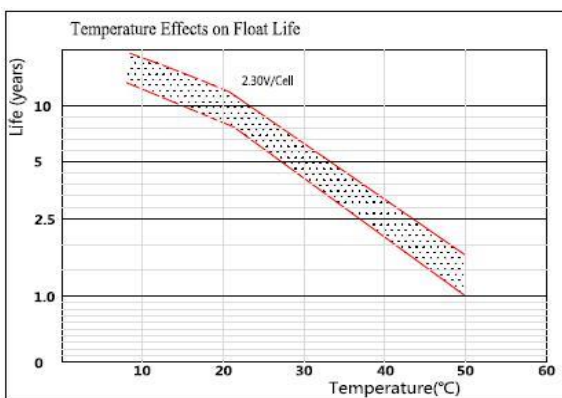
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Typical Use life and Operating Temperature



Cycle Life on D.O.D(25°C)

