

Specifications

Nominal Voltage		6 V
Capacity (25°C)	10HR(5.40V)	42 Ah
	5HR(5.25V)	36.7Ah
	1HR(4.80V)	26Ah
Dimension	Length	162 ± 2mm (6.38inch)
	Width	88 ± 1mm (3.46inch)
	Height	164 ± 2mm (6.46inch)
	Total Height	170 ± 2mm (6.69inch)
Approx. Weight		6.2kg (13.7lbs) ± 4%
Terminal type		T2
Internal resistance (Fully charged, 25°C)		Approx. 4.2m 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)		6.75 to 6.90V Temperature compensation: -9mV/°C
Cyclic charging voltage(25°C)		7.25 to 7.45V Temperature compensation: -15mV/°C
Maximum charging current		12.6A
Terminal material		Copper
Maximum discharge current		180A(5 sec.)
Designed floating life(20°C)		12 years

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

Constant Current Discharge Characteristics (A, 25°C)

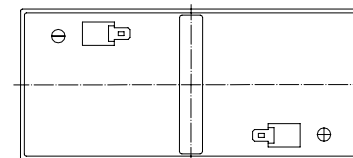
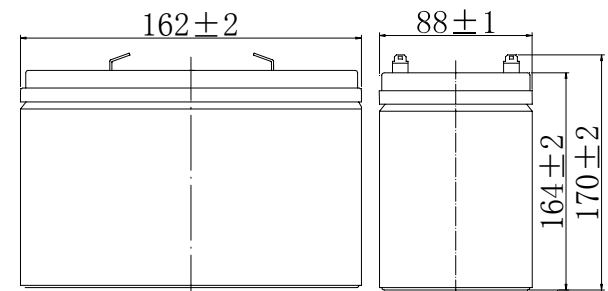
F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
4.80V	--	--	26.0	15.3	10.7	8.78	7.50	6.55	5.14	4.28	2.24
4.95V	--	--	25.6	15.3	10.6	8.73	7.45	6.52	5.11	4.27	2.24
5.10V	--	--	25.0	15.1	10.6	8.67	7.40	6.47	5.08	4.25	2.23
5.25V	--	--	24.5	14.9	10.5	8.61	7.35	6.43	5.04	4.23	2.22
5.40V	--	--	23.7	14.5	10.2	8.35	7.13	6.23	4.89	4.20	2.21

Constant Power Discharge Characteristics (Watt, 25°C)

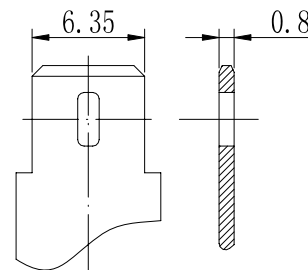
F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
4.80V	--	--	148	88.9	63.0	51.6	44.3	38.7	30.5	25.5	13.5
4.95V	--	--	146	88.3	62.6	51.3	44.0	38.5	30.4	25.5	13.4
5.10V	--	--	142	87.5	62.2	51.0	43.7	38.2	30.1	25.4	13.4
5.25V	--	--	140	86.2	61.7	50.6	43.4	38.0	29.9	25.2	13.3
5.40V	--	--	135	84.0	59.9	49.1	42.1	36.8	29.0	25.1	13.2

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

Dimensions

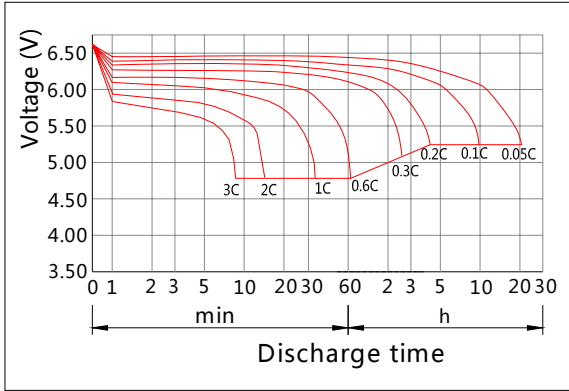


Terminal

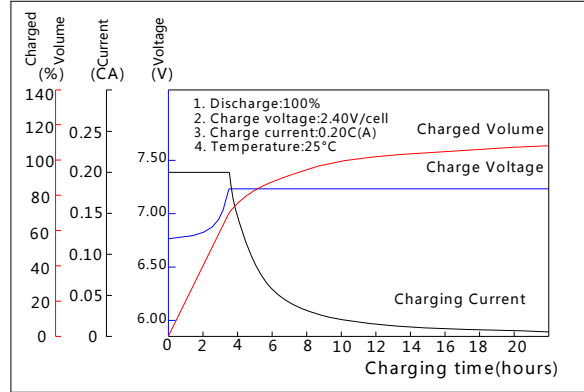


Terminal T2

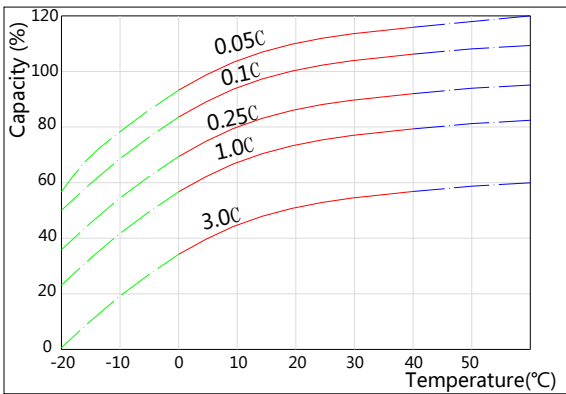
Discharge Characteristics(25°C)



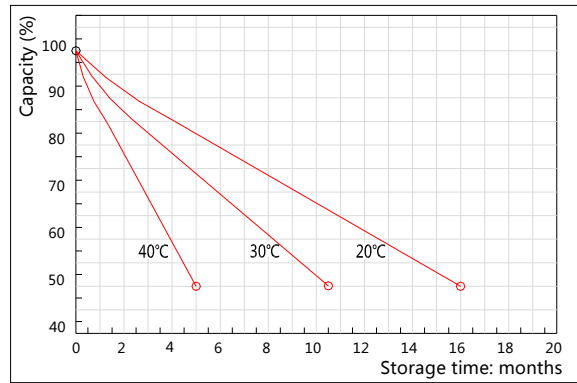
Charging Characteristics(25°C)



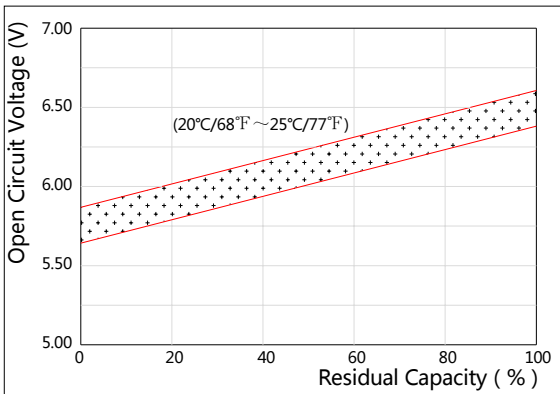
Effect of Temperature on Capacity



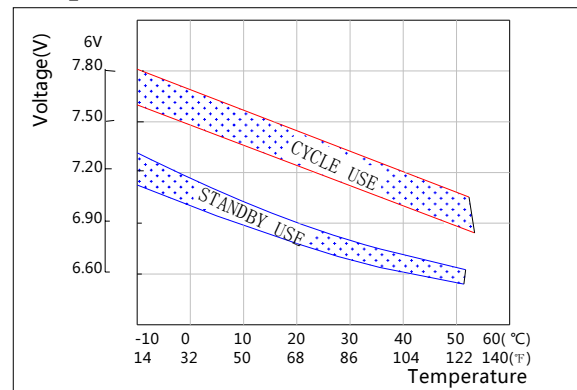
Self-discharge Characteristics



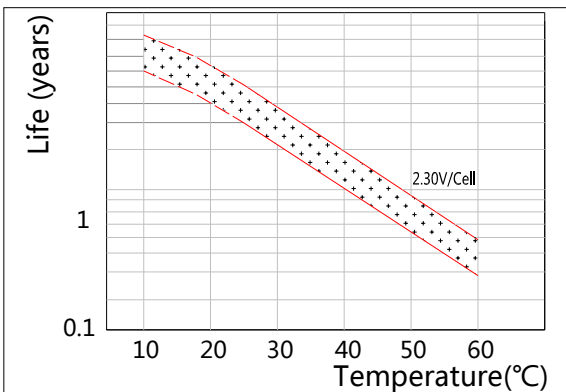
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

