

Specifications

Nominal Voltage		6 V
Capacity (25°C)	10HR(5.40V)	100 Ah
	5HR(5.25V)	87Ah
	1HR(4.80V)	62Ah
Dimension	Length	194 ± 2mm (7.64inch)
	Width	170 ± 2mm (6.69inch)
	Height	205 ± 2mm (8.07inch)
	Total Height	210 ± 2mm (8.27inch)
Approx. Weight		15.0kg (33.0lbs) ± 4%
Terminal type		T9
Internal resistance (Fully charged, 25°C)		Approx. 3mΩ
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		30A
Terminal material		Copper
Maximum discharge current		800A(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	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
4.80V	210	165	100	62.0	36.5	25.5	20.9	17.9	12.2	10.2	5.34
4.95V	204	161	98.0	61.1	36.3	25.4	20.8	17.7	12.2	10.2	5.33
5.10V	195	155	95.0	59.5	36.0	25.2	20.6	17.6	12.1	10.1	5.32
5.25V	187	150	92.7	58.3	35.5	25.0	20.5	17.5	12.0	10.1	5.29
5.40V	176	142	89.3	56.5	34.6	24.3	19.9	17.0	11.6	10.0	5.25

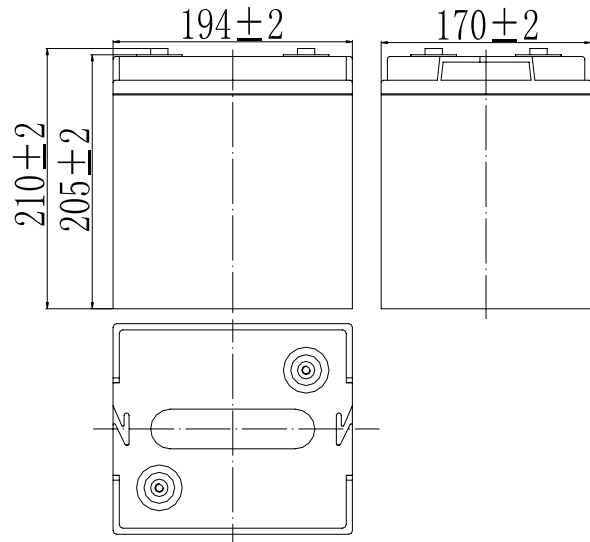
Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
4.80V	1134	906	561	353	212	150	123	105	72.7	60.8	32.1
4.95V	1100	884	550	348	210	149	122	105	72.3	60.7	32.0
5.10V	1055	851	533	339	208	148	121	104	71.8	60.5	31.9
5.25V	1009	823	520	333	205	147	121	103	71.3	60.1	31.7
5.40V	953	779	501	322	200	143	117	100	69.1	59.7	31.5

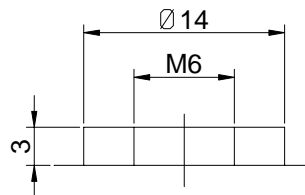
Note: The above characteristics data can be obtained within three charge/discharge cycles.



Dimensions

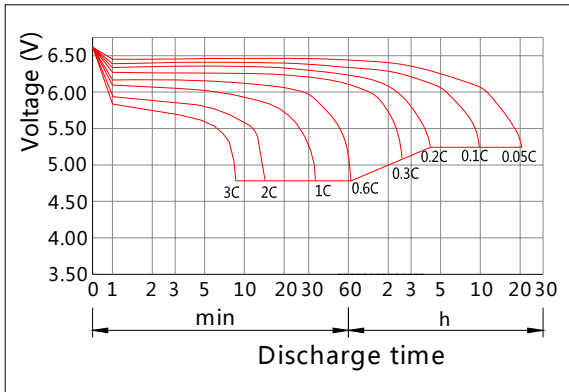


Terminal

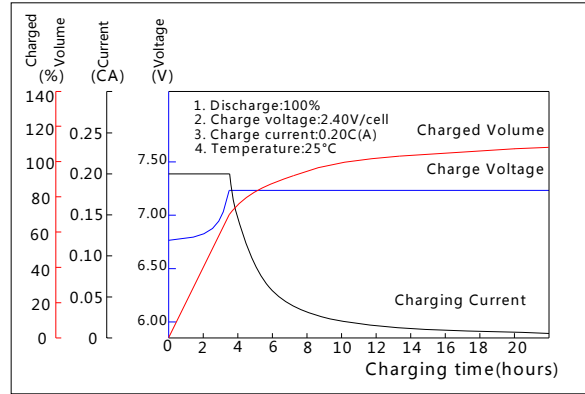


Terminal T9

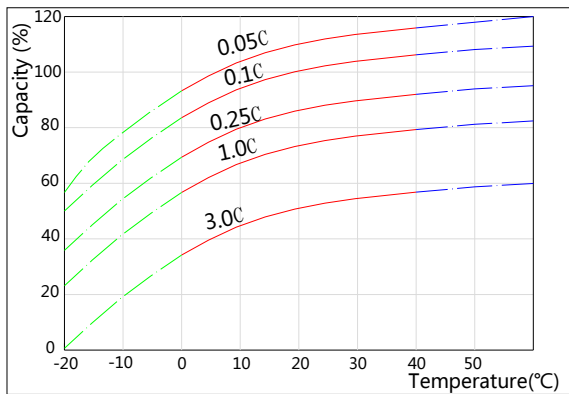
Discharge Characteristics(25°C)



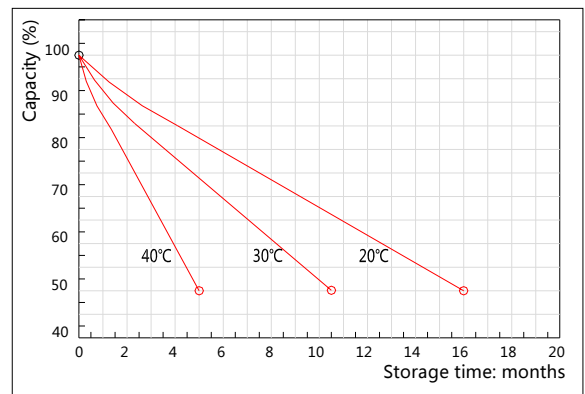
Charging Characteristics(25°C)



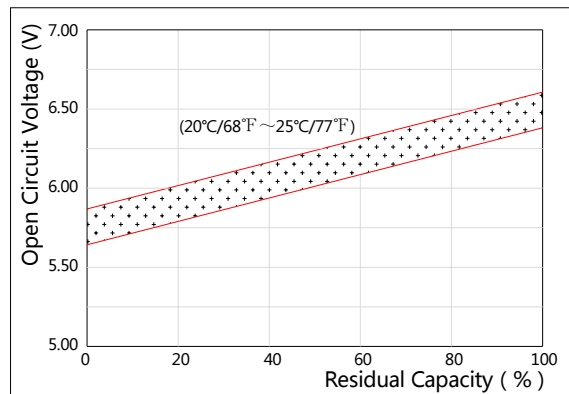
Effect of Temperature on Capacity



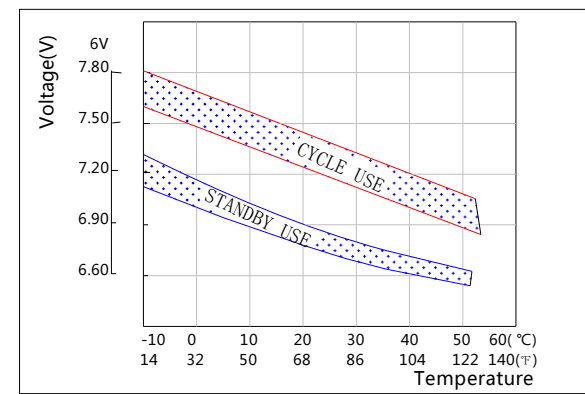
Self-discharge Characteristics



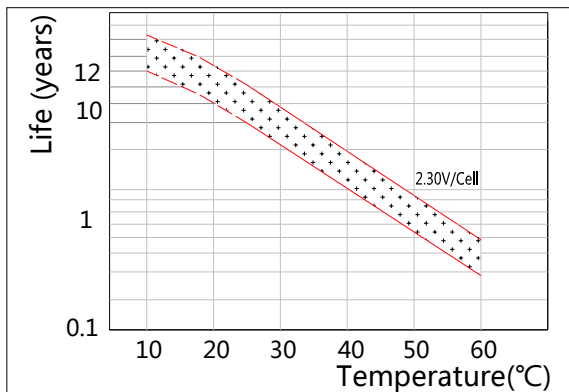
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

