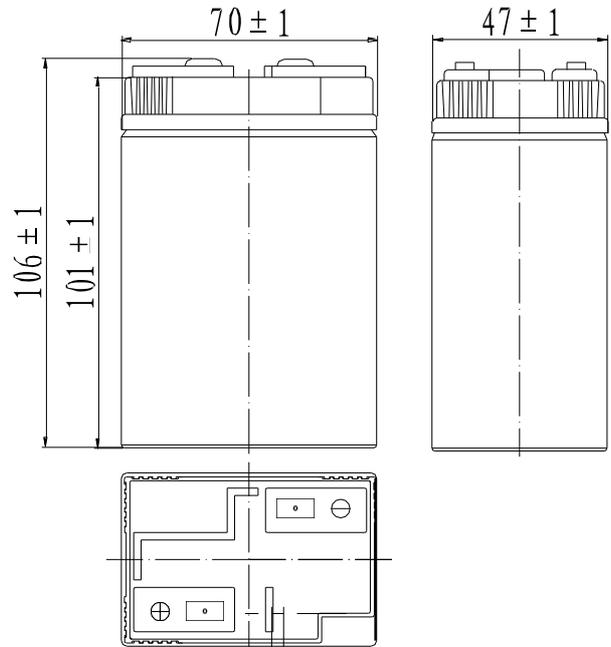


## Specifications

Nominal Voltage		6 V
Capacity (25°C)	20HR(5.25V)	4.5Ah
	10HR(5.25V)	4.2Ah
	1HR(4.80V)	2.93Ah
Dimension	Length	70±1mm (2.76inch)
	Width	47±1mm (1.85inch)
	Height	101±1mm (3.98inch)
	Total Height	106±1mm (4.17inch)
Approx. Weight		0.73kg (1.61lbs)±5%
Terminal type		Tab
Internal resistance (Fully charged, 25°C)		Approx. 25mΩ
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)		6.80 to 6.90V Temperature compensation: -9mV/°C
Cyclic charging voltage(25°C)		7.25 to 7.45V Temperature compensation: -15mV/°C
Maximum charging current		1.35A
Terminal material		Copper
Maximum discharge current		67.5A (5 sec.)
Designed floating life(20°C)		5 years+

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

6V Voltage    4.5Ah Capacity    5years+ Design Life



## Dimensions

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

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	10HR	20HR
1.60V	17.75	11.58	8.54	4.94	1.68	1.68	1.22	0.97	0.82	0.44	0.234
1.65V	16.27	11.23	8.31	4.83	2.80	1.66	1.20	0.96	0.81	0.44	0.232
1.70V	16.27	10.77	8.02	4.69	2.73	1.62	1.18	0.94	0.80	0.43	0.23
1.75V	15.20	10.19	7.63	4.50	2.64	1.58	1.15	0.92	0.78	0.43	0.227
1.80V	13.85	9.44	7.14	4.25	2.52	1.52	1.12	0.89	0.76	0.42	0.222

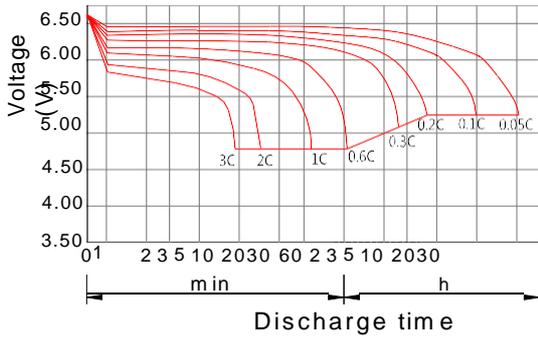
### Constant Power Discharge Characteristics (Watt, 25°C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	10HR	20HR
1.60V	30.55	19.98	15.15	9.11	5.42	3.24	2.37	1.90	1.61	0.89	0.47
1.65V	30.23	19.89	15.06	9.04	5.37	3.21	2.35	1.89	1.60	0.88	0.47
1.70V	29.08	19.30	14.66	8.82	5.26	3.16	2.31	1.86	1.58	0.87	0.46
1.75V	27.65	18.58	14.16	8.55	5.10	3.09	2.27	1.82	1.55	0.86	0.45
1.80V	25.63	17.52	13.44	8.17	4.89	2.99	2.20	1.77	1.51	0.84	0.45

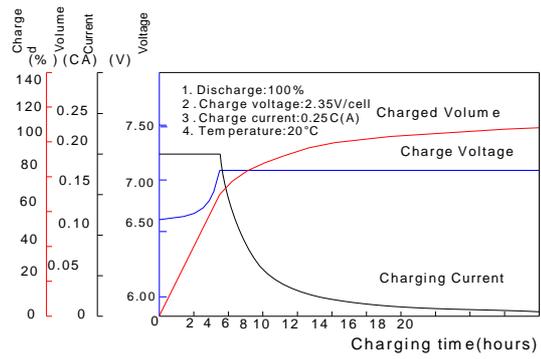


# RTS-4.5(6V4.5Ah)

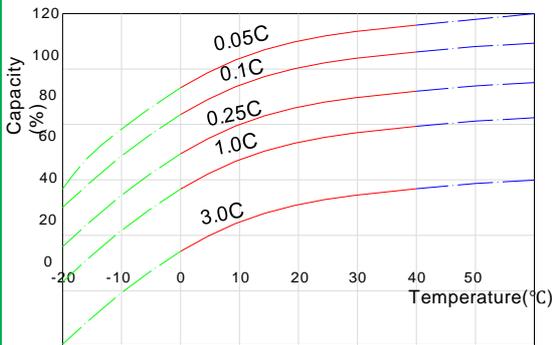
## Discharge Characteristics(25°C)



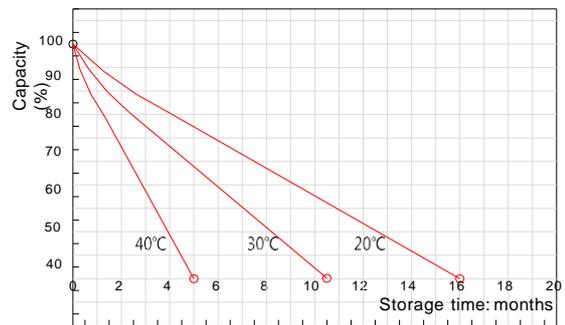
## Charging Characteristics(25°C)



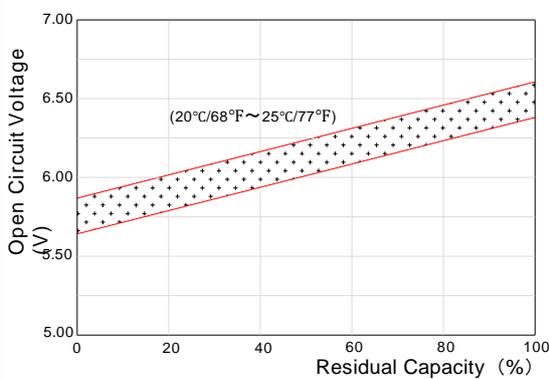
## Effect of Temperature on Capacity



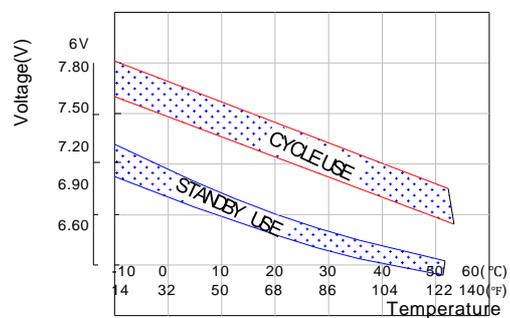
## Self-discharge Characteristics



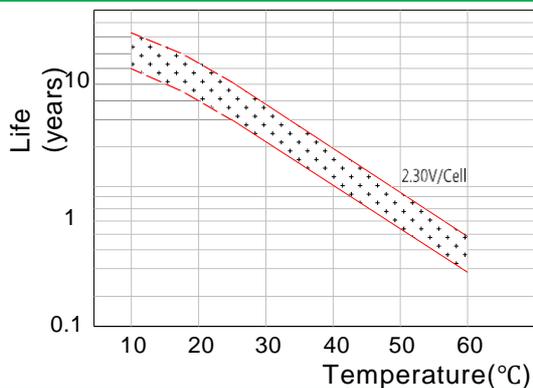
## The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



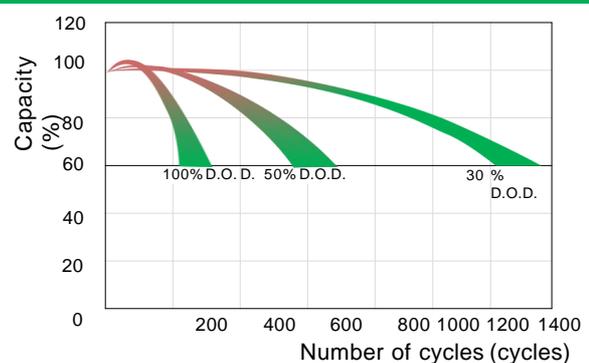
## The Relationship for Charging Voltage and Temperature



## Floating Life on Temperature



## Cycle Life on D.O.D.(25°C)



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