

Specifications

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	50 Ah
	3HR(1.75V)	38.4Ah
	1HR(1.75V)	28.2Ah
Dimension	Length	161 ± 2mm (6.34inch)
	Width	50 ± 1mm (1.97inch)
	Height	166 ± 2mm (6.54inch)
	Total Height	175 ± 2mm (6.89inch)
Approx. Weight		3.0kg (6.6lbs) ± 4%
Terminal type		T4
Internal resistance (Fully charged, 25°C)		Approx. 1.1m 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)		2.25 to 2.30V Temperature compensation: -3mV/°C
Cyclic charging voltage(25°C)		2.42 to 2.48V Temperature compensation: -5mV/°C
Maximum charging current		10A
Terminal material		Copper
Maximum discharge current		400A(5 sec.)
Designed floating life(20°C)		20 years

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

Constant Current Discharge Characteristics (A, 25°C)

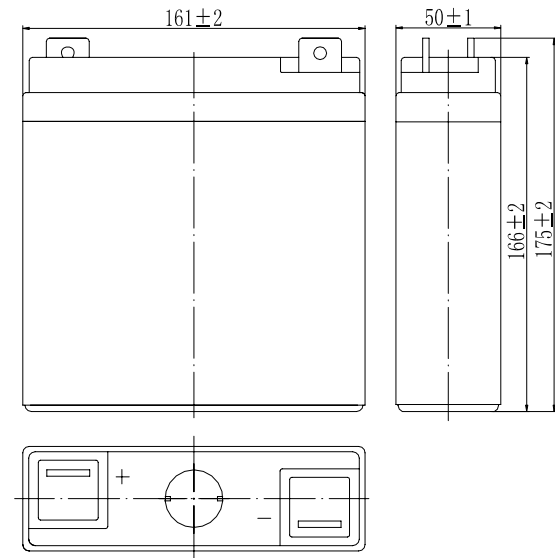
F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	67.5	45.0	30.0	18.3	13.0	10.5	9.08	7.80	6.12	5.09	2.67
1.65V	65.9	44.1	29.6	18.2	12.9	10.4	9.02	7.76	6.08	5.08	2.67
1.70V	63.5	42.8	28.8	18.0	12.8	10.3	8.96	7.70	6.04	5.07	2.66
1.75V	61.3	41.7	28.2	17.7	12.8	10.3	8.90	7.65	6.00	5.04	2.64
1.80V	58.1	40.2	27.4	17.3	12.4	9.94	8.63	7.42	5.82	5.00	2.63

Constant Power Discharge Characteristics (Watt, 25°C)

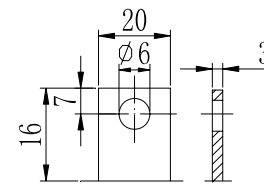
F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	124	84.2	57.0	35.3	25.5	20.5	17.9	15.4	12.2	10.1	5.34
1.65V	121	82.5	56.1	35.1	25.3	20.4	17.8	15.3	12.1	10.1	5.33
1.70V	116	79.9	54.7	34.7	25.2	20.2	17.7	15.2	12.0	10.1	5.32
1.75V	112	78.0	53.6	34.2	25.0	20.1	17.5	15.1	11.9	10.0	5.29
1.80V	106	75.1	52.0	33.4	24.2	19.5	17.0	14.6	11.6	10.0	5.25

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

Dimensions

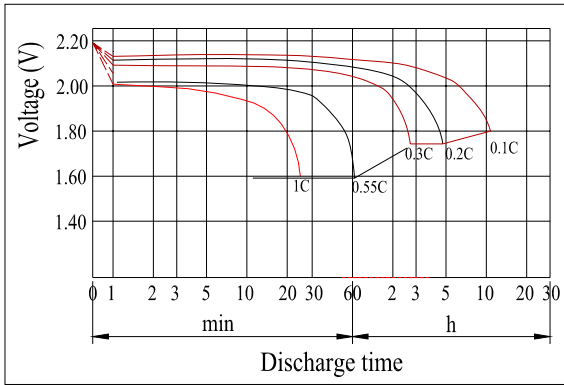


Terminal

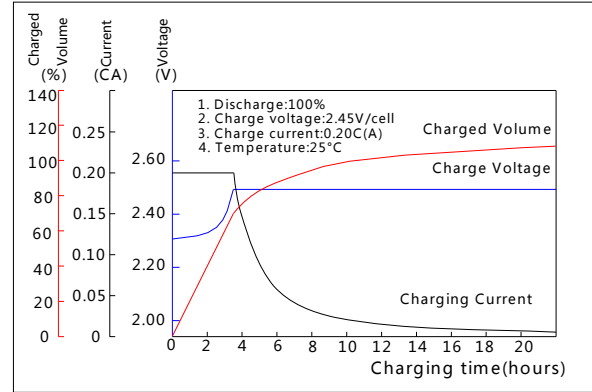


Terminal T4

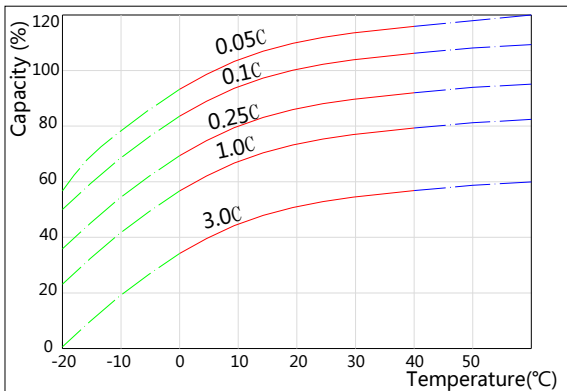
Discharge Characteristics(25°C)



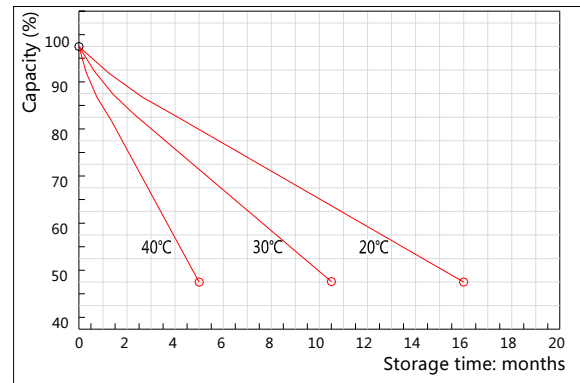
Charging Characteristics(25°C)



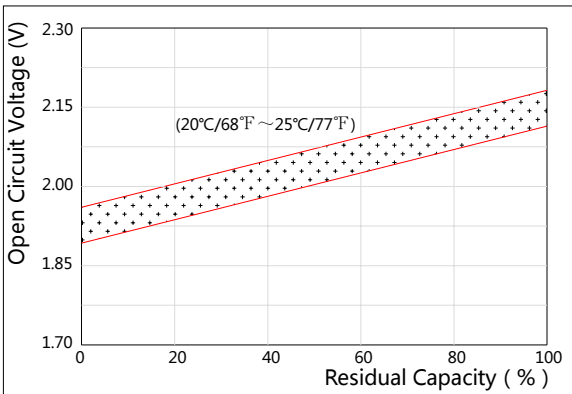
Effect of Temperature on Capacity



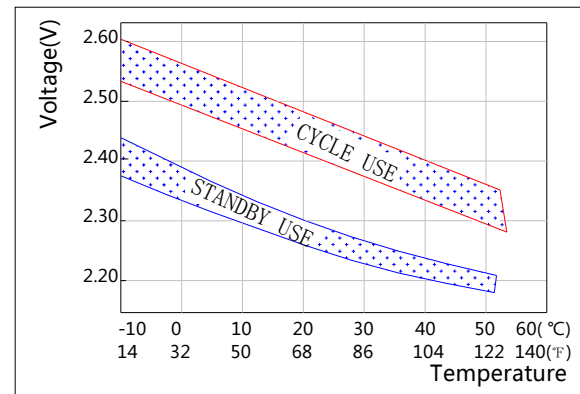
Self-discharge Characteristics



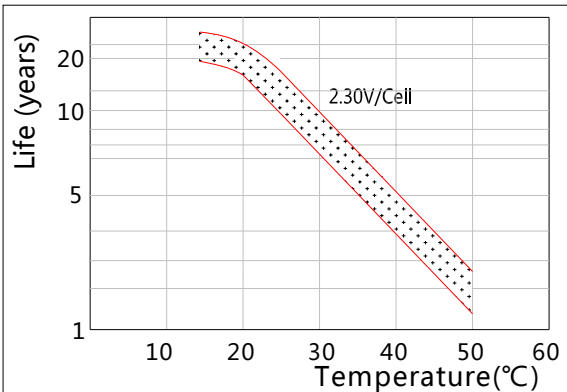
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

