

Specifications

Nominal Voltage		2 V
Capacity (25°C)	10HR(1.80V)	450 Ah
	3HR(1.75V)	345Ah
	1HR(1.75V)	254Ah
Dimension	Length	210±2mm (8.27inch)
	Width	171±2mm (6.73inch)
	Height	330±2mm (12.99inch)
	Total Height	367±2mm (14.45inch)
Approx. Weight		27.5kg (60.6lbs)±4%
Terminal type		T10
Internal resistance (Fully charged, 25°C)		Approx. 0.5mΩ
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		90A
Terminal material		Copper
Maximum discharge current		3000A(5 sec.)
Designed floating life(20°C)		15~18 years

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

Constant Current Discharge Characteristics (A, 25°C)

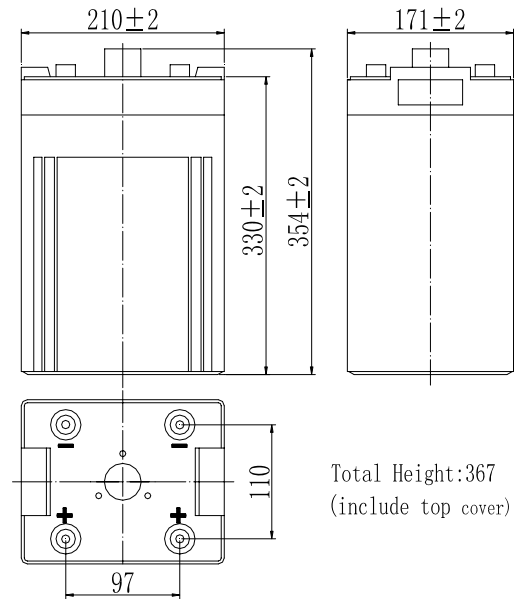
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60V	405	270	164	117	94.1	81.7	70.2	55.1	45.8	24.1	20.8
1.65V	397	266	163	116	93.5	81.2	69.8	54.8	45.7	24.0	20.8
1.70V	385	259	162	116	92.9	80.7	69.3	54.4	45.6	23.9	20.7
1.75V	375	254	160	115	92.3	80.1	68.9	54.0	45.3	23.8	20.6
1.80V	362	246	156	111	89.5	77.7	66.8	52.4	45.0	23.6	20.5

Constant Power Discharge Characteristics (Watt, 25°C)

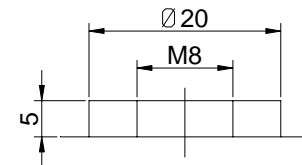
F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60V	757	513	317	229	184	161	138	110	91.2	48.1	41.9
1.65V	742	505	315	228	183	160	138	109	91.0	48.0	41.8
1.70V	719	492	313	226	182	159	137	108	90.7	47.9	41.7
1.75V	702	483	308	225	181	158	136	107	90.2	47.6	41.4
1.80V	676	468	300	218	175	153	132	104	89.6	47.3	41.2

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

Dimensions

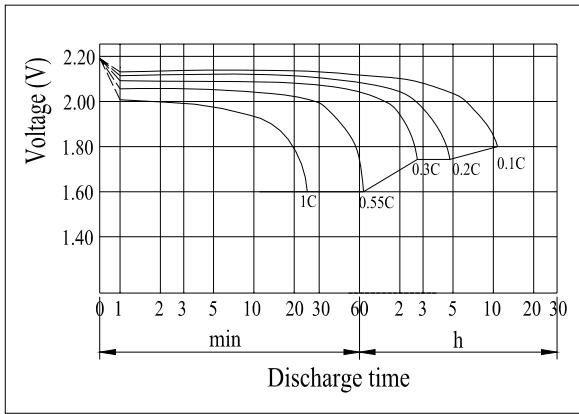


Terminal

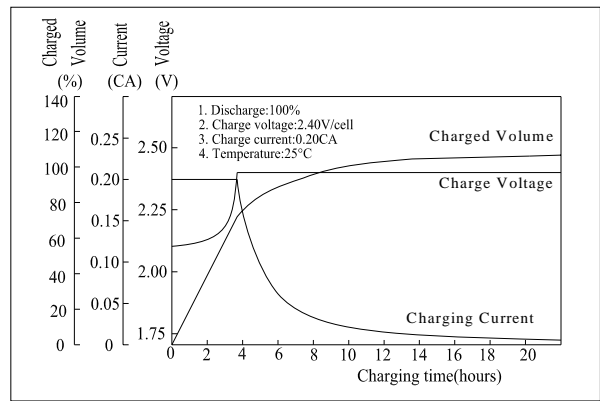


Terminal T10

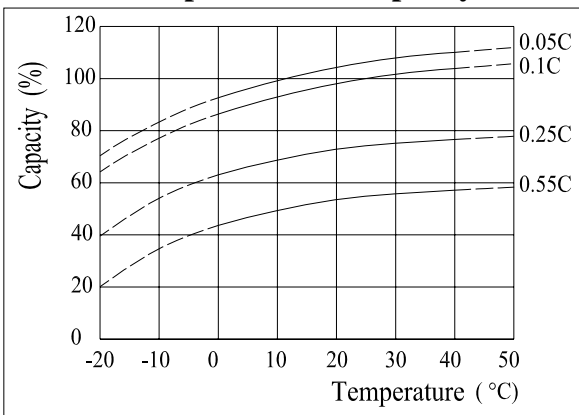
Discharge Characteristics(25°C)



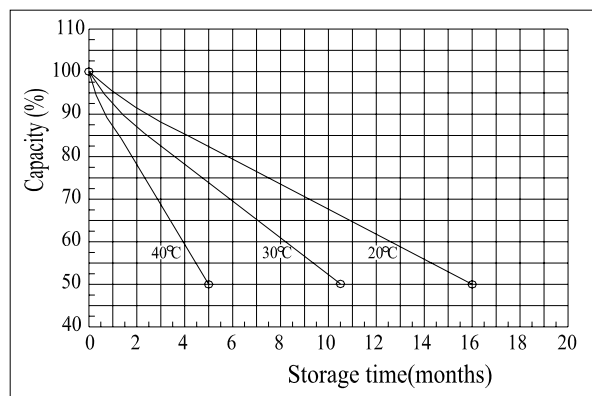
Charging Characteristics(25°C)



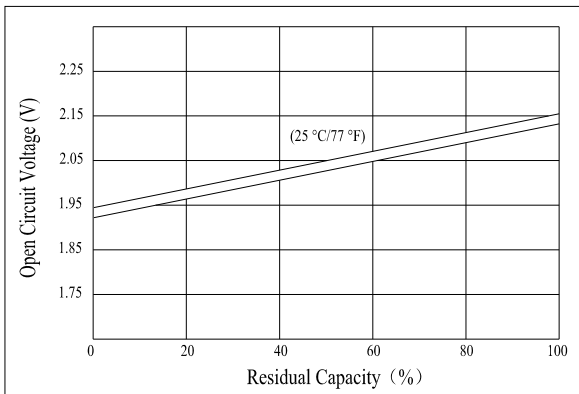
Effect of Temperature on Capacity



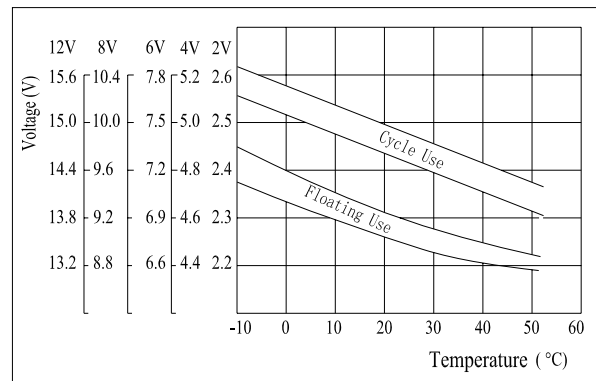
Self-discharge Characteristics



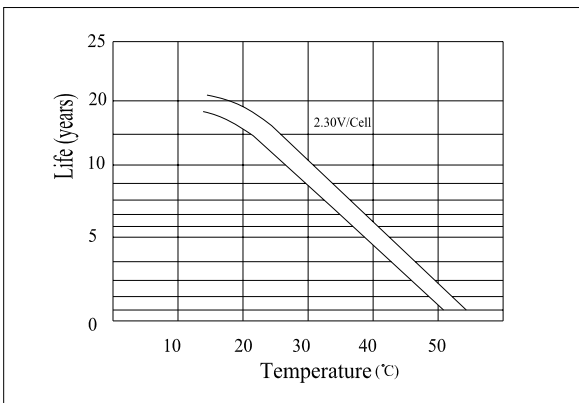
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

