

Specifications

Nominal Voltage		2 V
Capacity (25 °C)	10HR(1.80V)	200 Ah
	3HR(1.75V)	153Ah
	1HR(1.75V)	113Ah
Dimension	Length	173±2mm (6.81inch)
	Width	111±2mm (4.37inch)
	Height	330±2mm (12.99inch)
	Total Height	364±2mm (14.33inch)
Approx. Weight		13kg (28.7lbs)±4%
Terminal type		T10
Internal resistance (Fully charged, 25 °C)		Approx. 0.9mΩ
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		40A
Terminal material		Copper
Maximum discharge current		1500A(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	180	120	73.1	52.0	41.8	36.3	31.2	24.5	20.4	10.7	9.26
1.65V	176	118	72.6	51.7	41.6	36.1	31.0	24.3	20.3	10.7	9.25
1.70V	171	115	72.0	51.4	41.3	35.8	30.8	24.2	20.3	10.6	9.22
1.75V	167	113	70.9	51.0	41.0	35.6	30.6	24.0	20.1	10.6	9.16
1.80V	161	109	69.1	49.5	39.8	34.5	29.7	23.3	20.0	10.5	9.10

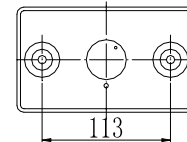
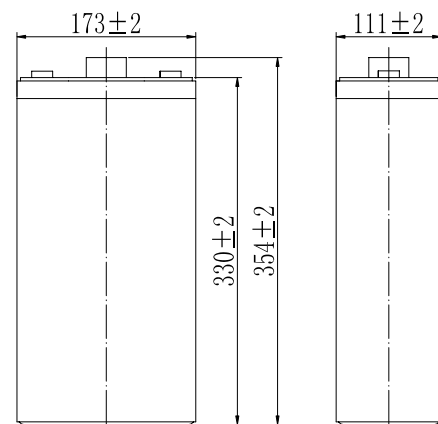
Constant Power Discharge Characteristics (Watt, 25 °C)

F.V/TIME	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60V	337	228	141	102	82.0	71.5	61.5	48.7	40.5	21.4	18.6
1.65V	330	225	140	101	81.5	71.1	61.1	48.4	40.4	21.3	18.6
1.70V	320	219	139	101	80.9	70.6	60.7	48.1	40.3	21.3	18.5
1.75V	312	215	137	100	80.4	70.1	60.3	47.8	40.1	21.1	18.4
1.80V	301	208	133	97.0	77.9	68.0	58.5	46.3	39.8	21.0	18.3

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

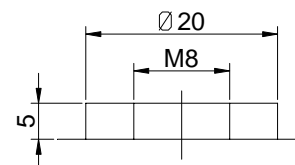


Dimensions



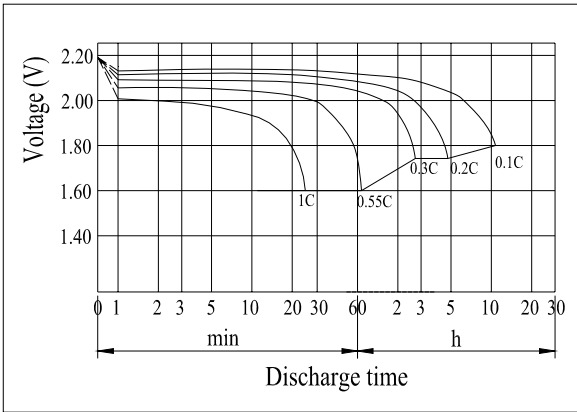
Total Height:364
(Included Top Cover)

Terminal

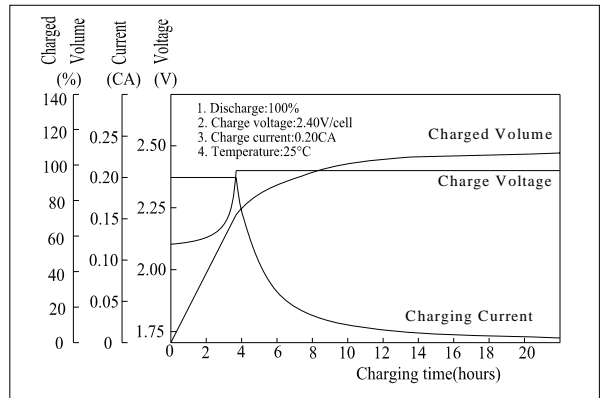


Terminal T10

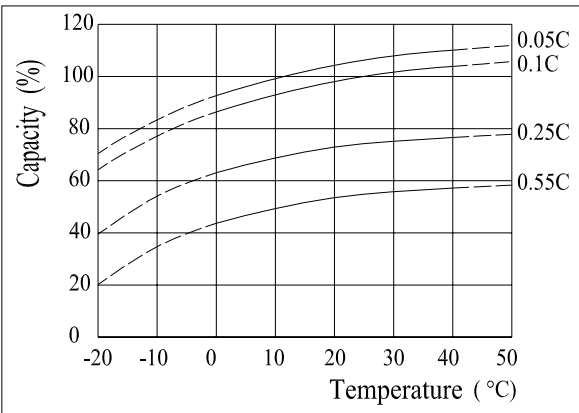
Discharge Characteristics(25°C)



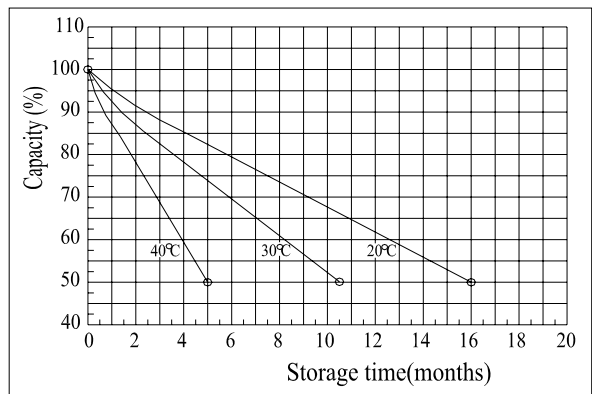
Charging Characteristics(25°C)



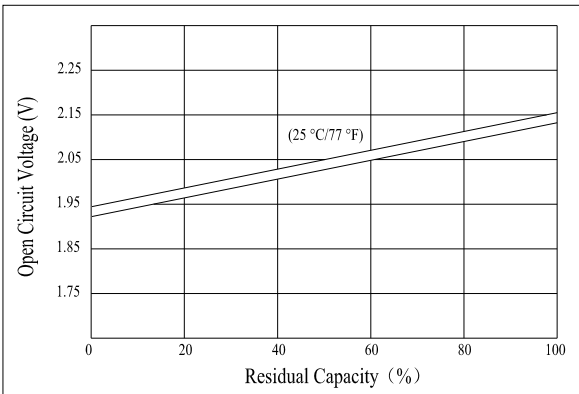
Effect of Temperature on Capacity



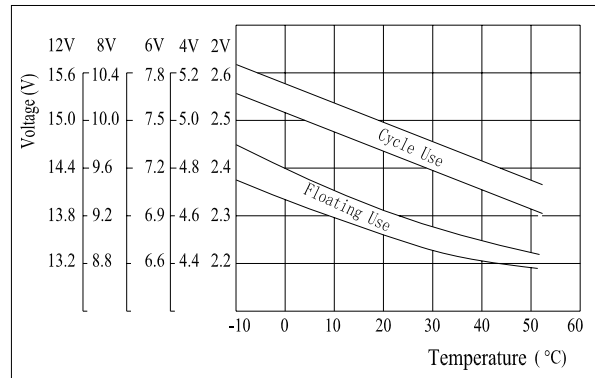
Self-discharge Characteristics



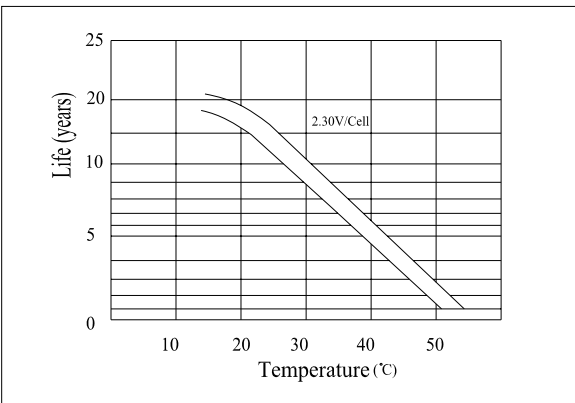
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

