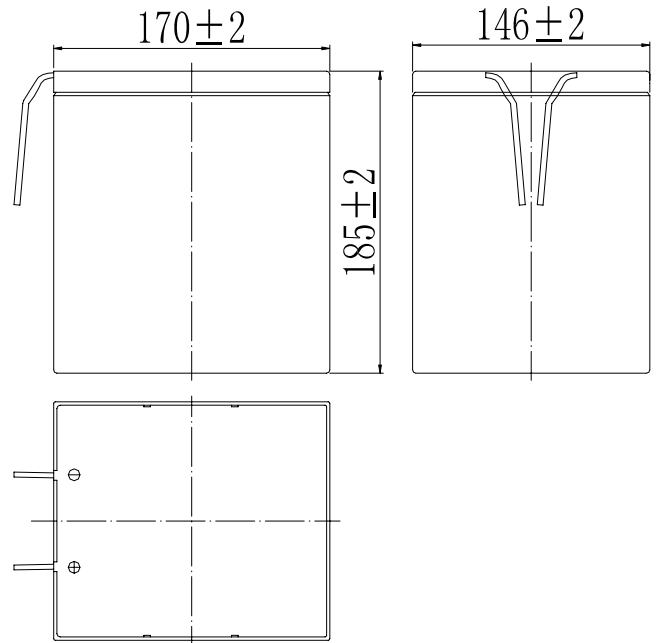


**Specifications**

Nominal Voltage		24 V
Capacity (25°C)	20HR(21.0V)	20Ah
	10HR(21.0V)	18.6Ah
	3HR(21.0V)	15Ah
Dimension	Length	170 ± 2mm (6.69inch)
	Width	146 ± 2mm (5.75inch)
	Height	185 ± 2mm (7.28inch)
	Total Height	185 ± 2mm (7.28inch)
Approx. Weight		11.5kg (25.4lbs) ± 4%
Terminal type		Plug
Internal resistance (Fully charged, 25°C)		Approx. 35mΩ
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)		27.2 to 27.6V Temperature compensation: -36mV/°C
Cyclic charging voltage(25°C)		29.0 to 29.8V Temperature compensation: -60mV/°C
Maximum charging current		6A
Terminal material		Wire Plug
Maximum discharge current		40A(5 sec.)
Designed floating life(20°C)		3~5 years

**Dimensions**



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

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

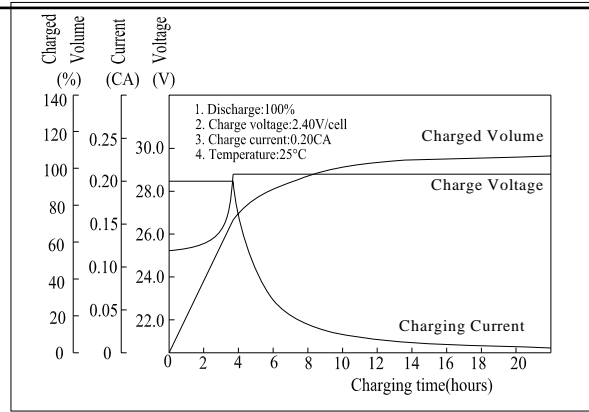
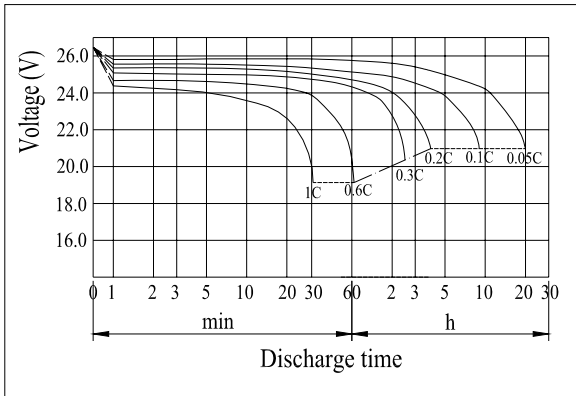
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
19.2V	--	--	--	--	7.11	5.10	4.08	3.47	2.24	1.89	1.02
19.8V	--	--	--	--	7.06	5.07	4.06	3.45	2.23	1.88	1.01
20.4V	--	--	--	--	7.00	5.04	4.03	3.42	2.22	1.87	1.01
21.0V	--	--	--	--	6.90	5.00	4.00	3.40	2.20	1.86	1.00
21.6V	--	--	--	--	6.72	4.85	3.88	3.30	2.13	1.82	0.98

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

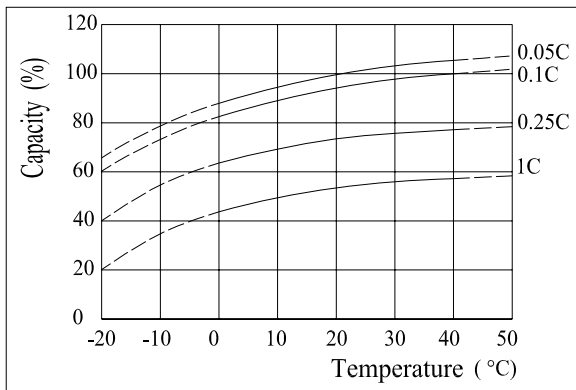
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
19.2V	--	--	--	--	166	121	97.2	82.8	53.9	45.3	24.4
19.8V	--	--	--	--	165	120	96.6	82.3	53.5	45.1	24.3
20.4V	--	--	--	--	164	120	95.9	81.8	53.2	44.9	24.1
21.0V	--	--	--	--	161	119	95.3	81.2	52.8	44.6	24.0
21.6V	--	--	--	--	157	115	92.4	78.8	51.2	43.7	23.5

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

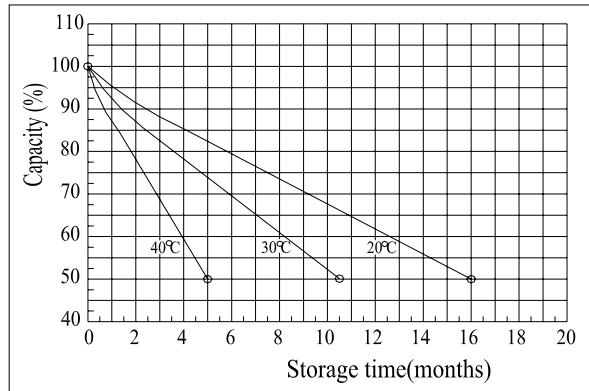
**Discharge Characteristics(25°C)**



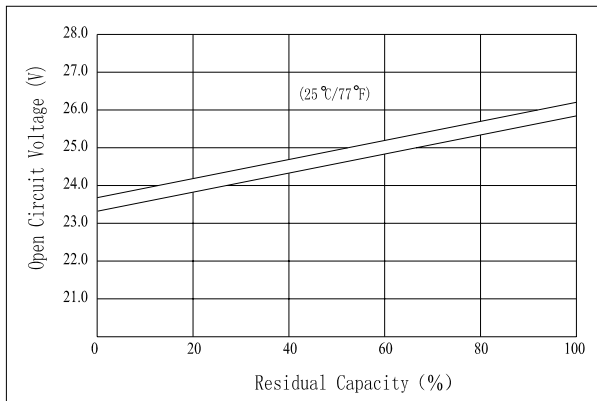
**Effect of Temperature on Capacity**



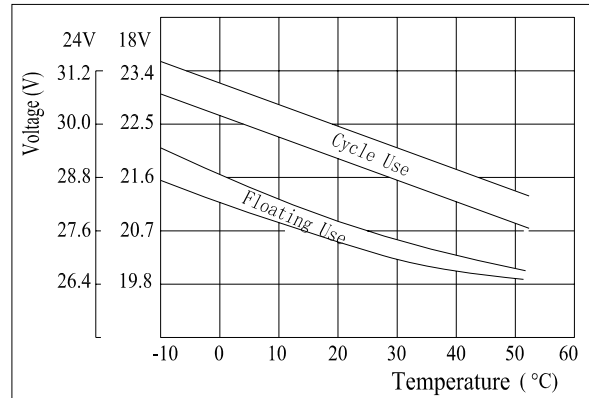
**Self-discharge Characteristics**



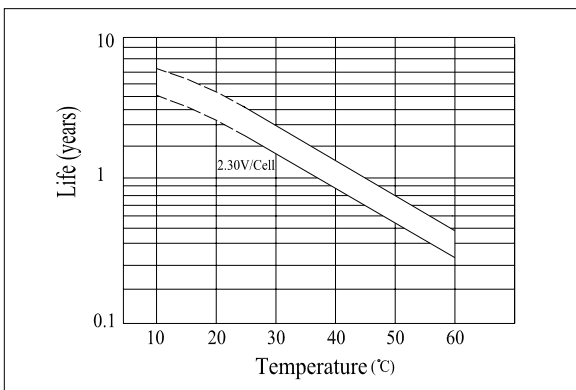
**The Relationship for Open Circuit Voltage and Residual Capacity (25°C)**



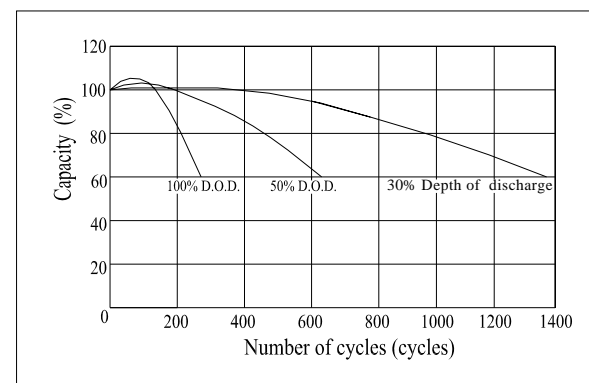
**The Relationship for Charging Voltage and Temperature**



**Floating Life on Temperature**



**Cycle Life on D.O.D(25°C)**



**Charging Characteristics(25°C)**