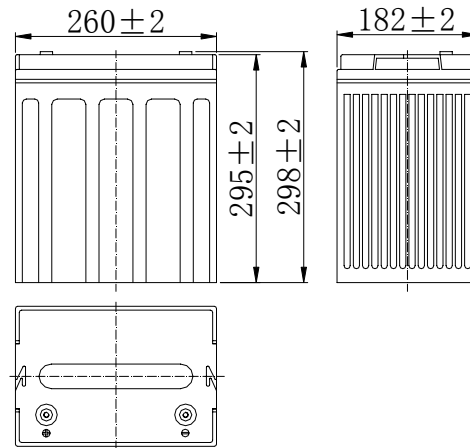


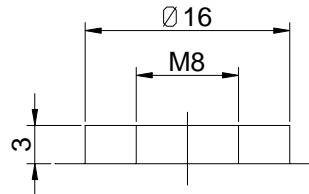
Specifications

Nominal Voltage		8 V
Capacity (25°C)	10HR(7.20V)	180 Ah
	5HR(6.80V)	157Ah
	1HR(6.40V)	113Ah
Dimension	Length	260 ± 2mm (10.24inch)
	Width	182 ± 2mm (7.17inch)
	Height	295 ± 2mm (11.61inch)
	Total Height	298 ± 2mm (11.73inch)
Approx. Weight		36.5kg (80.5lbs) ± 4%
Terminal type		T11
Internal resistance (Fully charged, 25°C)		Approx. 3m 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)		9.00 to 9.20V Temperature compensation: -12mV/°C
Cyclic charging voltage(25°C)		9.67 to 9.93V Temperature compensation: -20mV/°C
Maximum charging current		54A
Terminal material		Copper
Maximum discharge current		1400A(5 sec.)
Designed floating life(20°C)		7~10 years

Dimensions



Terminal



Terminal T11

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

Constant Current Discharge Characteristics (A, 25°C)

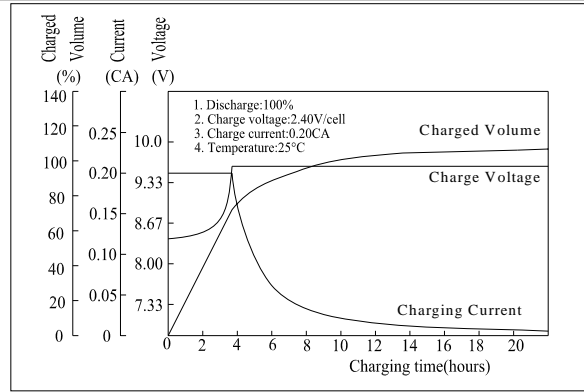
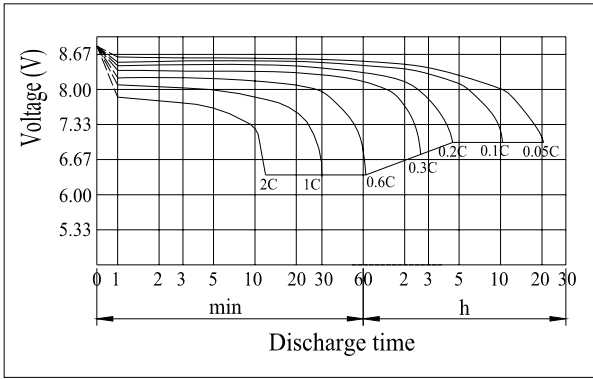
F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
6.40V	300	182	113	65.8	45.9	37.6	32.1	28.1	22.0	18.3	9.62
6.60V	293	178	111	65.4	45.6	37.4	31.9	27.9	21.9	18.3	9.60
6.80V	282	173	108	64.8	45.3	37.2	31.7	27.7	21.8	18.2	9.57
7.00V	272	169	106	63.8	45.0	36.9	31.5	27.5	21.6	18.1	9.52
7.20V	258	162	103	62.2	43.7	35.8	30.6	26.7	21.0	18.0	9.45

Constant Power Discharge Characteristics (Watt, 25°C)

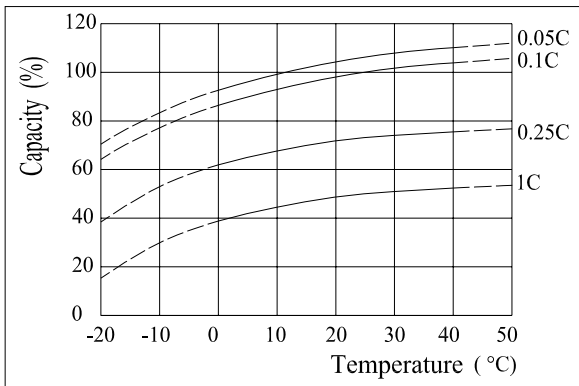
F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
6.40V	2196	1360	857	508	360	295	253	221	174	146	77.0
6.60V	2143	1333	844	505	358	293	252	220	173	146	76.8
6.80V	2064	1292	822	500	355	291	250	219	172	145	76.6
7.00V	1994	1261	806	493	353	289	248	217	171	144	76.1
7.20V	1888	1214	781	480	342	281	241	211	166	143	75.6

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

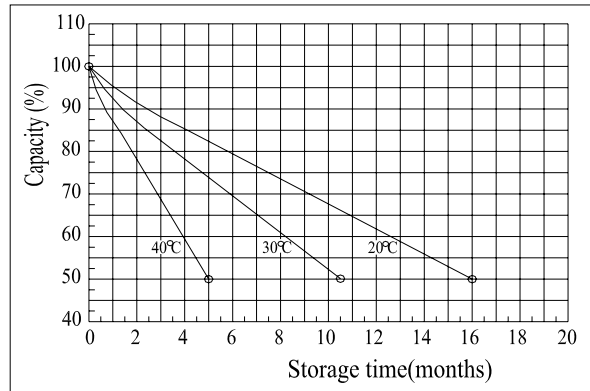
Discharge Characteristics (25°C)



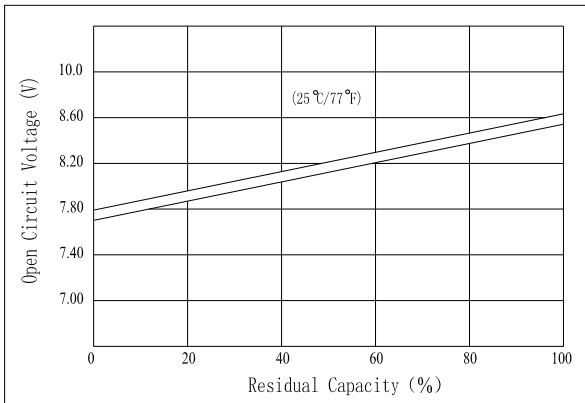
Effect of Temperature on Capacity



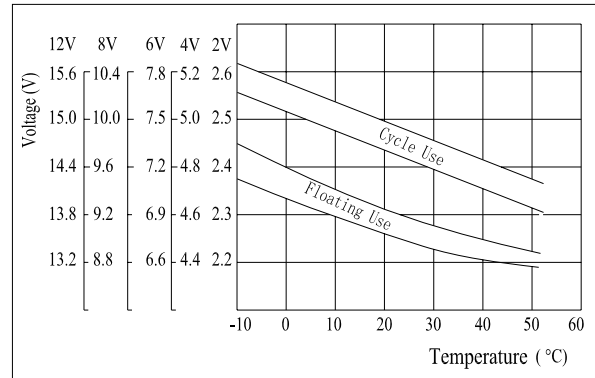
Self-discharge Characteristics



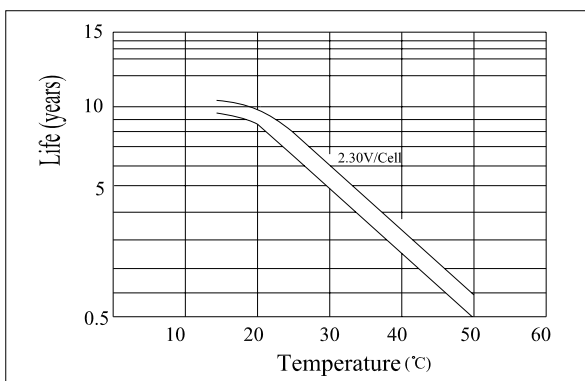
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



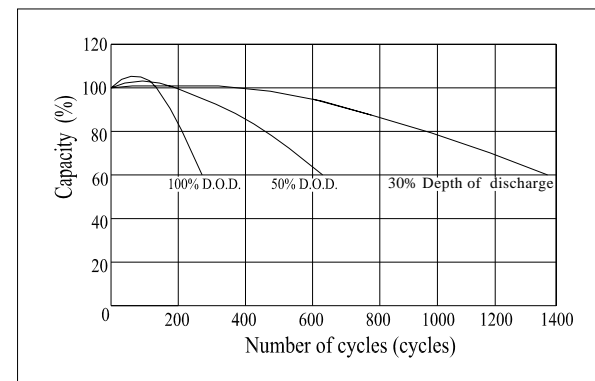
The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D (25°C)



Charging Characteristics (25°C)