

**Specifications**

Nominal Voltage		12 V
Number of cell		6 cells
Capacity(10HR, 25°C)		134 Ah
Capacity(15min.rate, 25°C)		475 Watts/cell
Dimension	Length	342±2mm (13.46inch)
	Width	172±2mm (6.77inch)
	Height	280±2mm (11.02inch)
	Total Height	285±2mm (11.22inch)
Approx. Weight		43kg (94.8lbs)±4%
Terminal type		T11
Internal resistance (Fully charged, 25°C)		Approx. 3.5mΩ
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)		13.50 to 13.80V Temperature compensation: -18mV/°C
Cyclic charging voltage(25°C)		14.50 to 14.90V Temperature compensation: -30mV/°C
Maximum charging current		40.2A
Terminal material		Copper
Maximum discharge current		1050A(5 sec.)
Designed floating life(20°C)		7~10 years

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

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

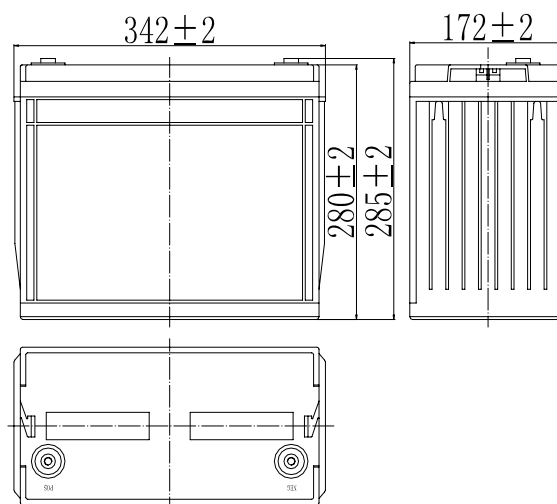
F.V/TIME	15min	20min	30min	45min	60min	2h	3h	4h	5h	10h	20h
1.60V/cell	254	203	144	107	87.3	49.0	35.1	28.3	24.6	13.8	7.30
1.65V/cell	247	198	141	105	86.0	48.7	34.9	28.1	24.5	13.8	7.28
1.67V/cell	246	195	139	104	85.1	48.5	34.8	28.0	24.4	13.7	7.28
1.70V/cell	238	191	136	102	83.8	48.2	34.7	27.9	24.3	13.7	7.26
1.75V/cell	230	184	133	99	82.2	47.5	34.4	27.7	24.1	13.6	7.22
1.80V/cell	218	174	128	96	79.6	46.3	33.4	26.9	23.4	13.5	7.17

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

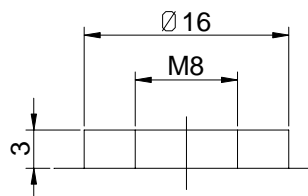
F.V/TIME	15min	20min	30min	45min	60min	2h	3h	4h	5h	10h	20h
1.60V/cell	489	391	277	207	169	95.5	69.2	55.7	48.7	27.6	14.6
1.65V/cell	478	382	272	202	166	94.9	68.8	55.4	48.4	27.5	14.6
1.67V/cell	475	376	268	200	164	94.6	68.6	55.2	48.3	27.5	14.6
1.70V/cell	460	368	263	196	162	94.1	68.3	55.0	48.1	27.4	14.5
1.75V/cell	444	355	257	191	159	92.7	67.8	54.6	47.8	27.3	14.4
1.80V/cell	421	337	248	184	154	90.3	65.8	53.0	46.3	27.1	14.3

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

**Dimensions**

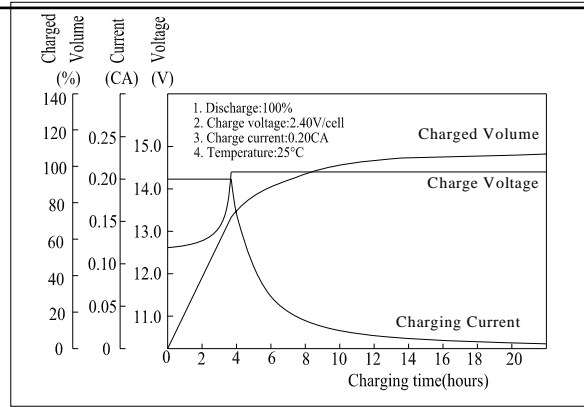
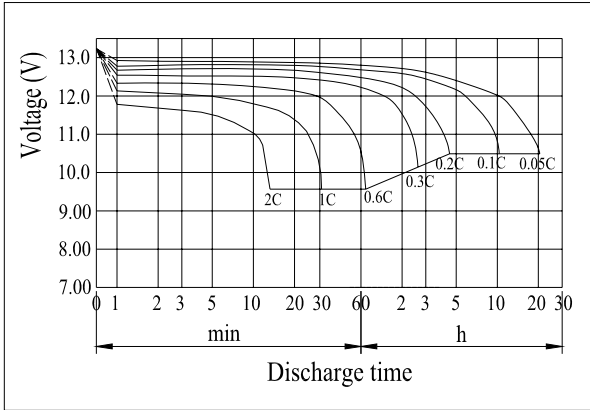


**Terminal**

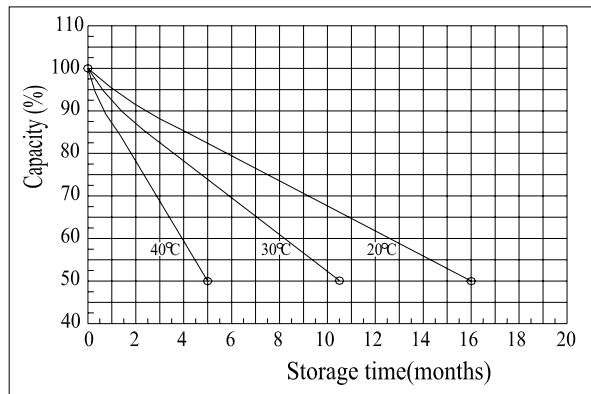


Terminal T11

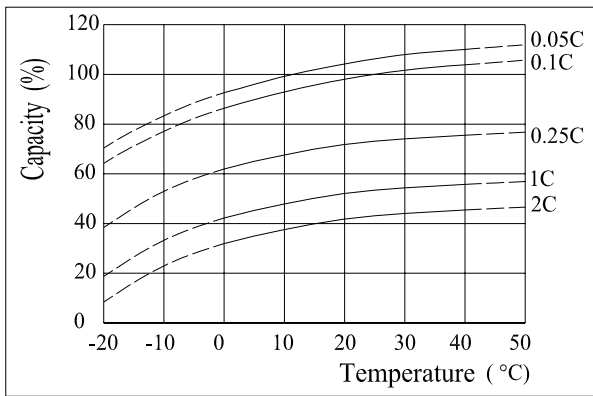
**Discharge Characteristics(25°C)**



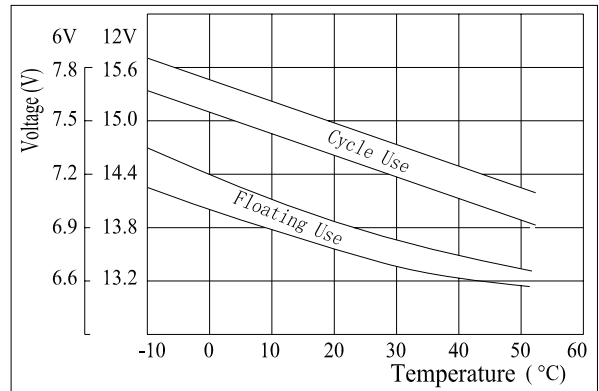
**Self-discharge Characteristics**



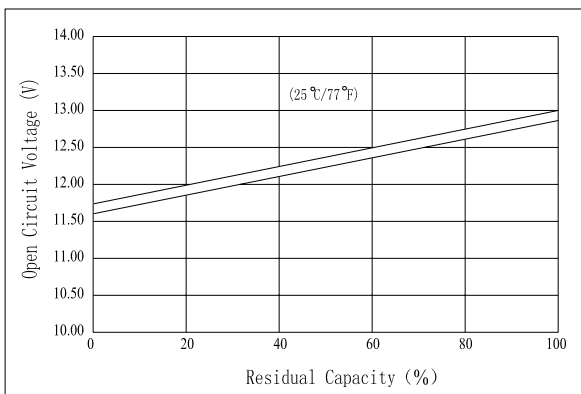
**Effect of Temperature on Capacity**



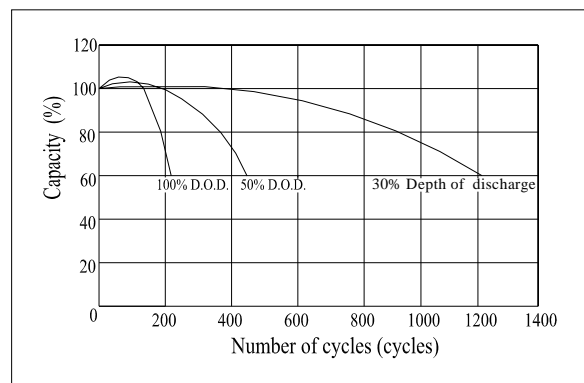
**The Relationship for Charging Voltage and Temperature**



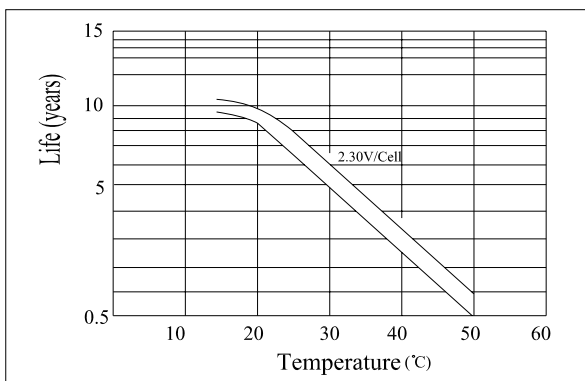
**The Relationship for Open Circuit Voltage and Residual Capacity (25°C)**



**Cycle Life on D.O.D(25°C)**



**Floating Life on Temperature**



**Charging Characteristics(25°C)**