

Specifications

Nominal Voltage		12 V
Number of cell		6 cells
Capacity(10HR, 25°C)		75 Ah
Capacity(15min.rate, 25°C)		270 Watts/cell
Dimension	Length	260mm ± 2 (10.24inch)
	Width	168mm ± 2 (6.61inch)
	Height	211mm ± 2 (8.31inch)
	Total Height	T5: 233 ± 2mm (9.17inch) T9: 214 ± 2mm (8.43inch)
Approx. Weight		23kg (50.7lbs) ± 5%
Terminal type		T5/T9
Internal resistance (Fully charged, 25°C)		Approx. 5.5m Ω
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		22.5A
Terminal material		Copper
Maximum discharge current		750A(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	10min	15min	20min	30min	45min	60min	2h	3h	5h	10h	20h
1.60V/cell	176	144	115	81.6	60.8	49.6	27.4	19.7	13.8	7.71	4.08
1.65V/cell	171	141	112	80.0	59.6	48.9	27.2	19.5	13.7	7.70	4.08
1.67V/cell	168	140	111	79.0	58.9	48.4	27.2	19.5	13.6	7.69	4.07
1.70V/cell	164	135	108	77.5	57.8	47.6	27.0	19.4	13.6	7.67	4.06
1.75V/cell	157	131	105	75.7	56.4	46.7	26.6	19.3	13.5	7.63	4.04
1.80V/cell	148	124	99	72.9	54.3	45.2	25.9	18.7	13.1	7.58	4.01

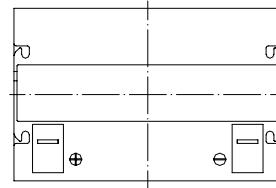
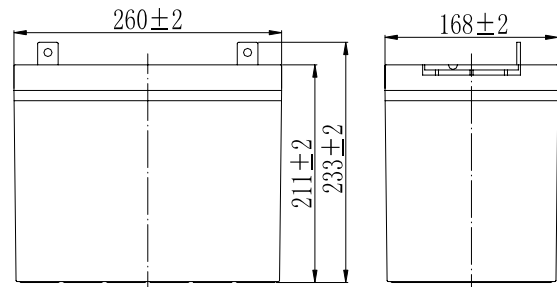
Constant Power Discharge Characteristics (Watt/cell, 25°C)

F.V/TIME	10min	15min	20min	30min	45min	60min	2h	3h	5h	10h	20h
1.60V/cell	331	278	222	158	117	95.8	53.4	38.7	27.3	15.4	8.17
1.65V/cell	321	271	217	154	115	94.3	53.1	38.5	27.1	15.4	8.15
1.67V/cell	316	270	214	152	114	93.4	53.0	38.4	27.0	15.4	8.15
1.70V/cell	308	261	209	150	112	91.9	52.7	38.2	26.9	15.3	8.13
1.75V/cell	295	252	202	146	109	90.1	51.9	38.0	26.7	15.3	8.08
1.80V/cell	278	239	191	141	105	87.3	50.5	36.8	25.9	15.2	8.03

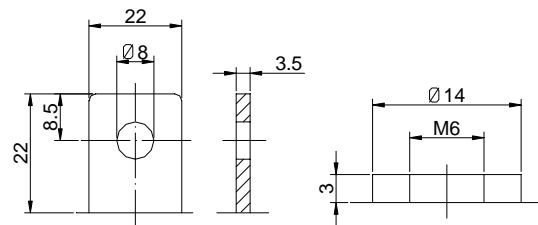
Note: The above characteristics data can be obtained within three charge/discharge cycles.



Dimensions



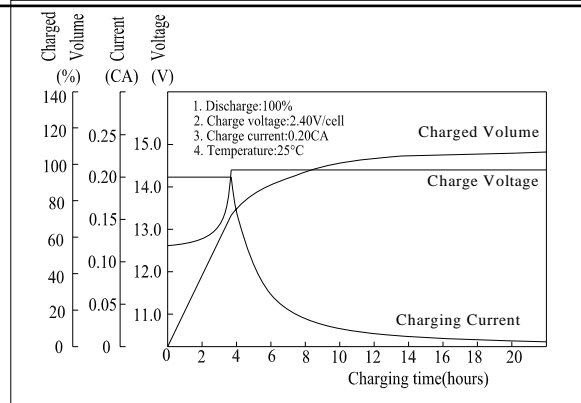
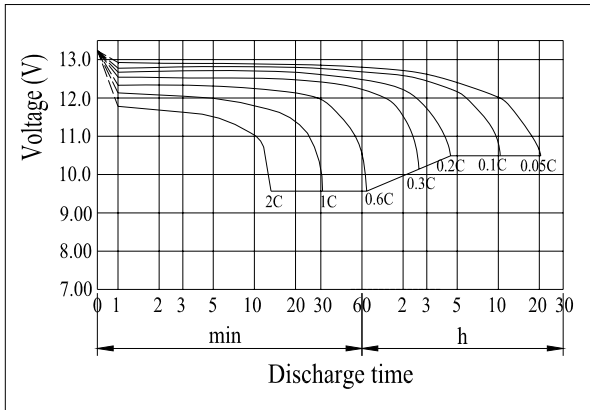
Terminal



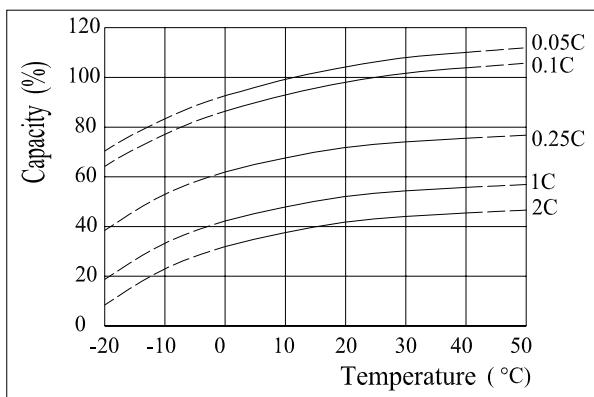
Terminal T5

Terminal T9

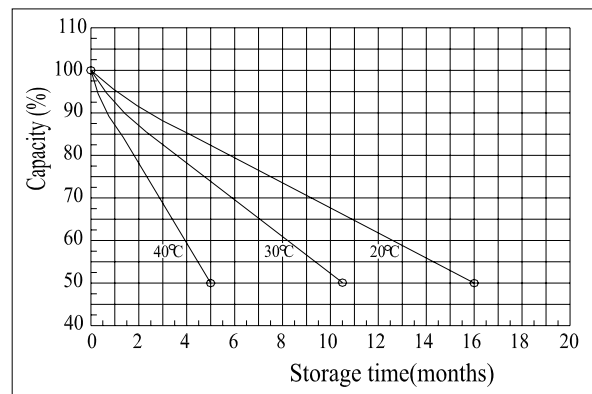
Discharge Characteristics(25°C)



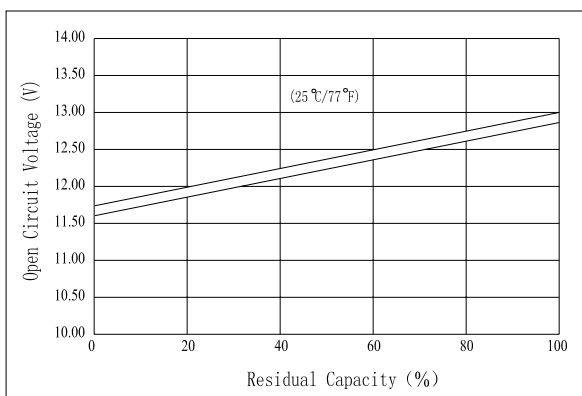
Effect of Temperature on Capacity



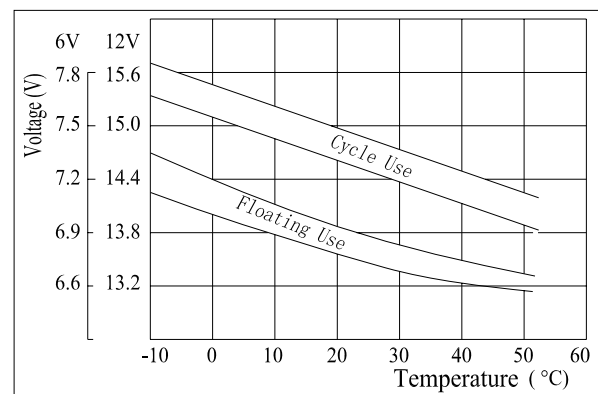
Self-discharge Characteristics



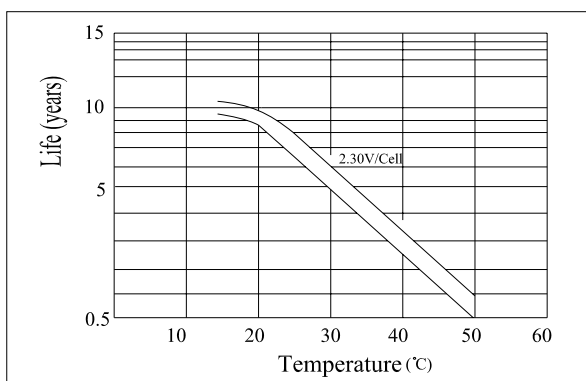
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



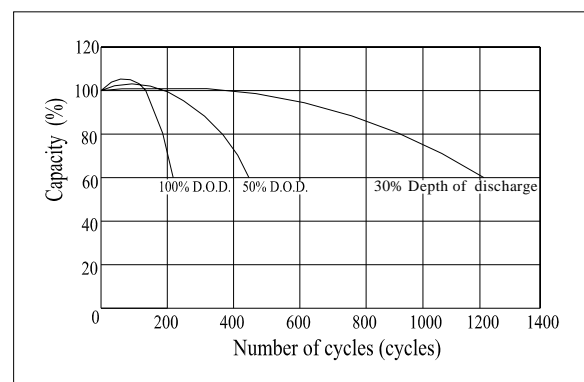
The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D.(25°C)



Charging Characteristics(25°C)