

Specifications

Nominal Voltage		6 V
Capacity (25°C)	10HR(5.40V)	200 Ah
	5HR(5.25V)	166Ah
	1HR(4.80V)	120Ah
Dimension	Length	321±2mm (12.64inch)
	Width	176±2mm (6.93inch)
	Height	226±2mm (8.90inch)
	Total Height	T5: 246±2mm (9.69inch) T11: 229±2mm (9.02inch)
Approx. Weight		31kg (68.4lbs)±4%
Terminal type		T5/T11
Internal resistance (Fully charged, 25°C)		Approx. 2.2mΩ
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)		6.75 to 6.90V Temperature compensation: -9mV/°C
Cyclic charging voltage(25°C)		7.20 to 7.35V Temperature compensation: -15mV/°C
Maximum charging current		50A
Terminal material		Copper
Maximum discharge current		1600A(5 sec.)
Designed floating life(20°C)		10 years

- ◆ Gelled electrolyte technology;
- ◆ AGM separator;
- ◆ 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
4.80V	330	304	192	120	72.1	49.0	38.8	33.9	24.1	20.4	10.5
4.95V	320	297	188	118	71.6	48.7	38.5	33.7	23.9	20.3	10.5
5.10V	307	286	182	115	71.0	48.3	38.3	33.4	23.8	20.3	10.4
5.25V	294	276	178	113	69.9	48.0	38.0	33.2	23.6	20.1	10.4
5.40V	277	261	171	109	68.2	46.6	36.9	32.2	22.9	20.0	10.3

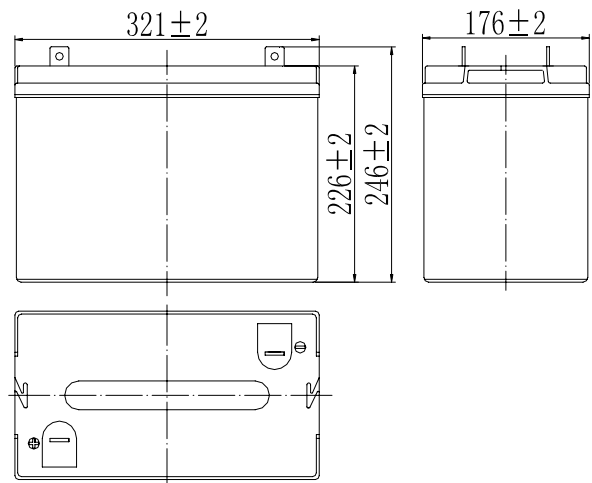
Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
4.80V	1782	1669	1077	684	417	288	228	200	143	122	62.9
4.95V	1729	1629	1056	674	415	286	227	199	142	121	62.8
5.10V	1657	1569	1023	657	411	284	225	198	141	121	62.6
5.25V	1586	1515	998	644	405	282	223	196	140	120	62.2
5.40V	1497	1435	962	624	395	274	217	190	136	119	61.8

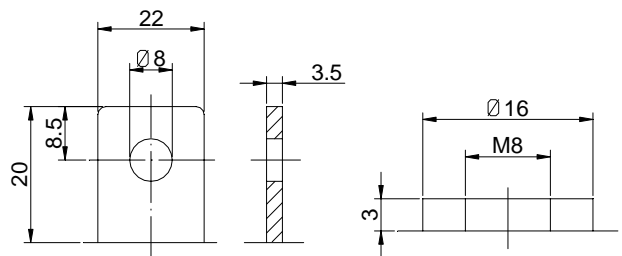
Note: The above characteristics data can be obtained within three charge/discharge cycles.



Dimensions



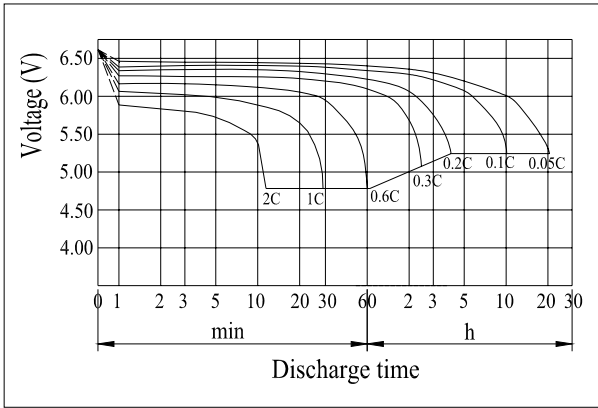
Terminal



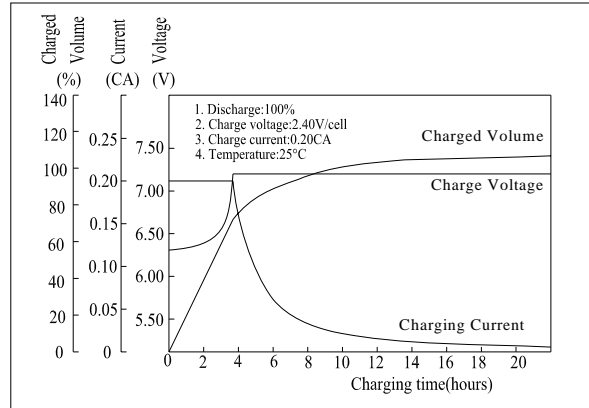
Terminal T5

Terminal T11

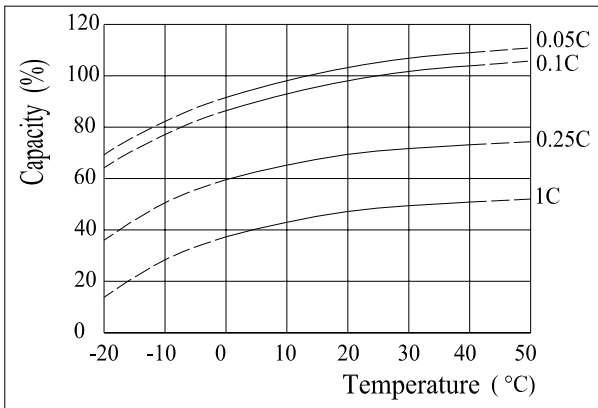
Discharge Characteristics(25°C)



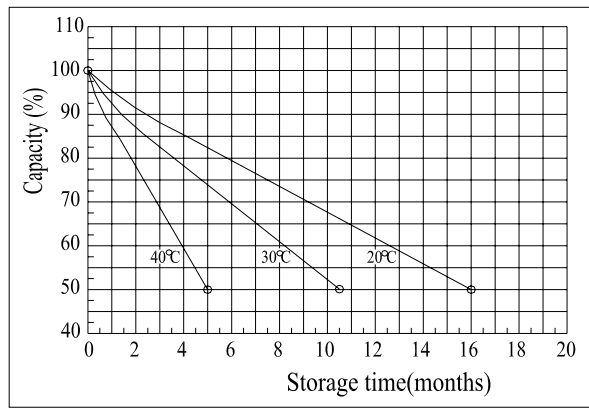
Charging Characteristics(25°C)



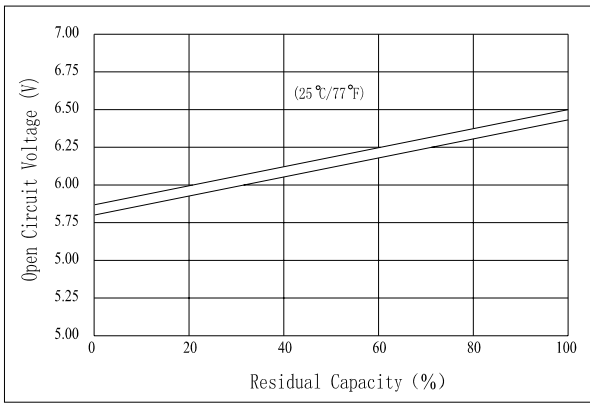
Effect of Temperature on Capacity



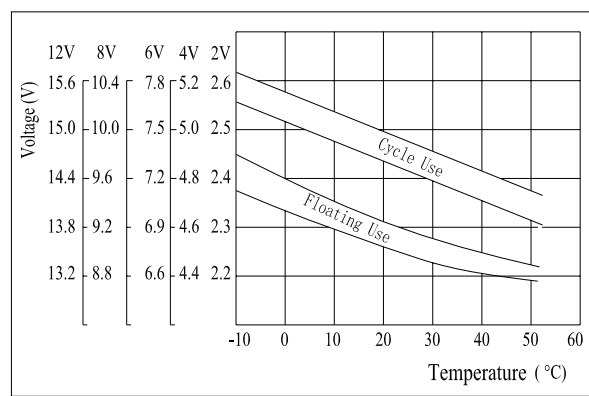
Self-discharge Characteristics



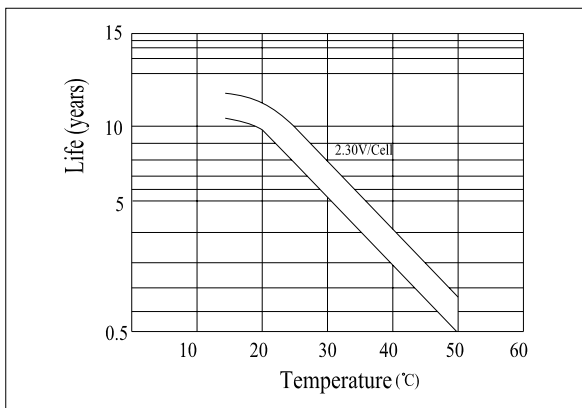
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

