

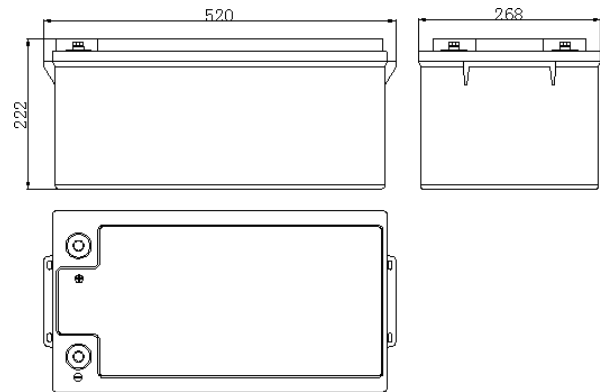


**Specifications**

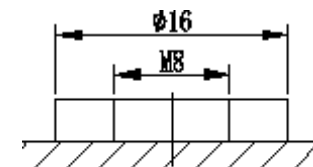
Nominal Voltage		12 V
Capacity (25°C)	10HR(10.8V)	200Ah
	5HR(10.5V)	178Ah
	1HR(9.60V)	106Ah
Dimension	Length	522 ± 2mm (20.51inch)
	Width	268 ± 2mm (10.55inch)
	Height	222 ± 2mm (8.74inch)
	Total Height	222 ± 2mm (8.74inch)
Approx. Weight		Approx.71.5kg (157.6lbs)
Terminal type		T11
Internal resistance (Fully charged, 25°C)		Approx. 2.3m 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)		13.50 to 13.80V Temperature compensation: -18mV/°C
Cyclic charging voltage(25°C)		13.80 to 14.10V Temperature compensation: -30mV/°C
Maximum charging current		40A
Terminal material		Copper
Maximum discharge current		1250A (5 sec.)
Designed floating life(20°C)		20 years

- ◆ Gelled electrolyte technology;
- ◆ Tubular Positive Plate;
- ◆ ABS contain

**Dimensions**



**Terminal**



**Terminal T11**

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

F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60V	244	240	216	166	106	68.6	50.6	42.6	36.3	31.0	23.5	20.4	10.8	9.30
1.65V	237	233	211	163	105	68.2	50.3	42.4	36.1	30.8	23.3	20.3	10.8	9.28
1.70V	227	223	203	158	102	67.6	49.9	42.1	35.8	30.6	23.2	20.3	10.7	9.21
1.75V	217	214	196	154	99.9	66.6	49.6	41.8	35.6	30.4	23.0	20.1	10.7	9.20
1.80V	205	202	186	148	96.9	64.9	48.1	40.5	34.5	29.5	22.3	20.0	10.6	9.16

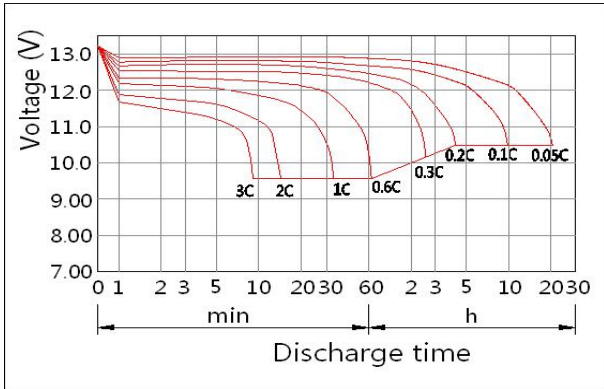
**Constant Power Discharge Characteristics (Watt, 25°C)**

F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60V	427	432	395	310	202	132	99.2	83.6	71.5	61.1	46.5	40.5	21.6	18.7
1.65V	414	419	386	304	199	132	98.6	83.1	71.1	60.7	46.2	40.4	21.5	18.7
1.70V	397	402	372	295	194	130	97.9	82.5	70.6	60.3	45.9	40.3	21.5	18.5
1.75V	380	384	359	288	190	129	97.2	81.9	70.1	59.9	45.5	40.0	21.3	18.5
1.80V	359	363	340	277	184	125	94.3	79.5	68.0	58.1	44.2	39.8	21.2	18.4

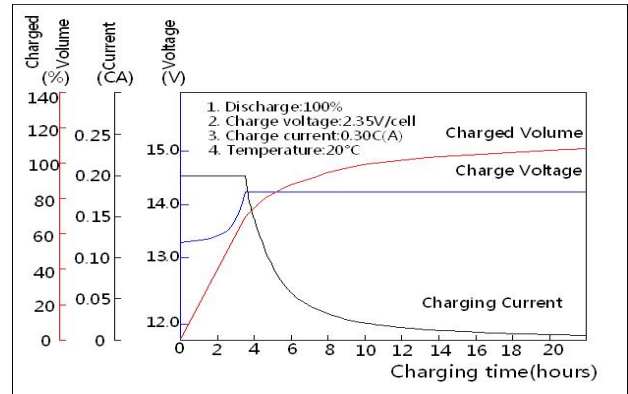
Note: The above characteristics data can be obtained within three charge/discharge cycles.



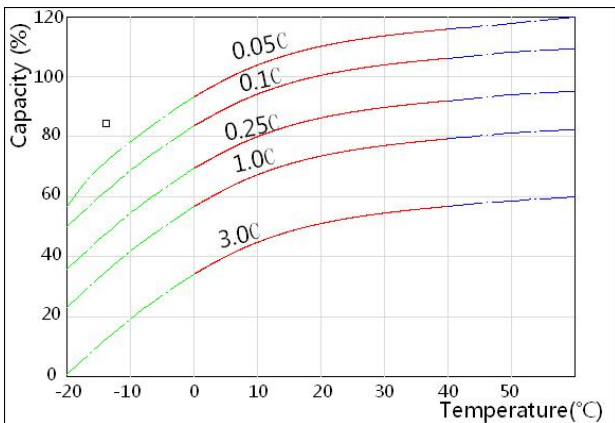
**Discharge Characteristics(25°C)**



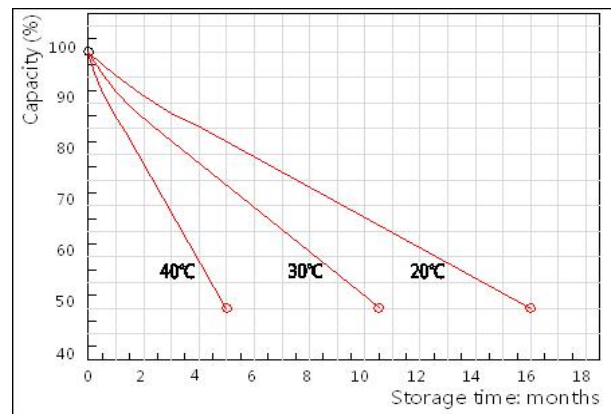
**Charging Characteristics(25°C)**



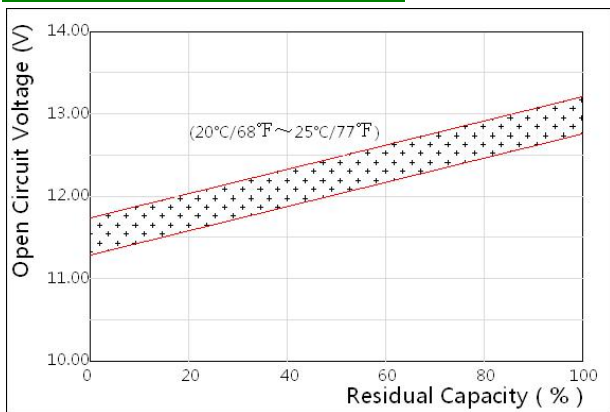
**Effect of Temperature on Capacity**



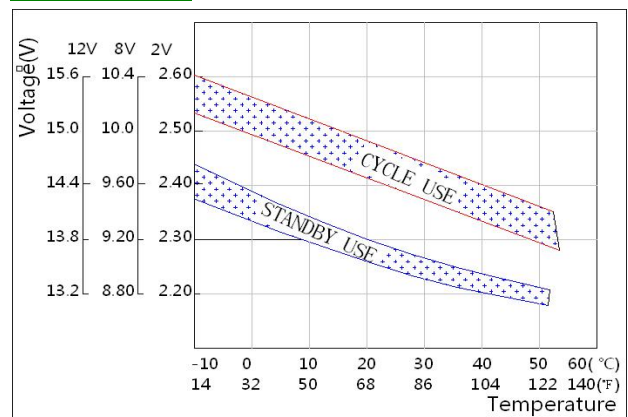
**Self-discharge Characteristics**



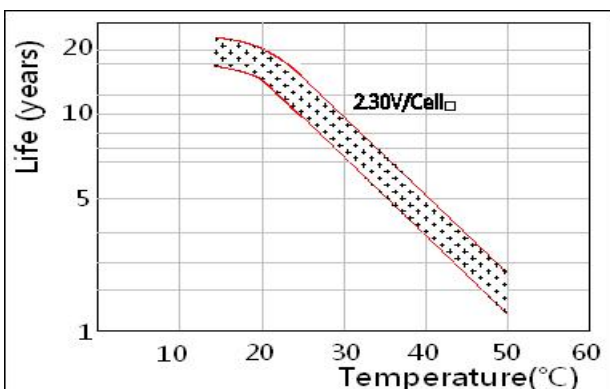
**The Relationship for Open Circuit Voltage and Residual Capacity (25°C)**



**The Relationship for Charging Voltage and Temperature**



**Floating Life on Temperature**



**Cycle Life on D.O.D.(25°C)**

