



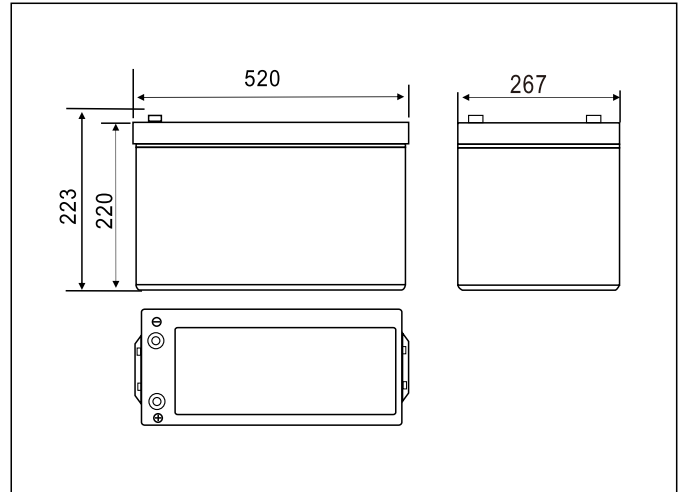
### ● Applications

- Electric tools
- Electric toys
- Emergency lighting
- Electronic instruments
- Medical equipment
- Alarm and security systems
- Solar power systems
- Wind power systems
- Telecommunication equipments
- Uninterruptible power supplies

### ● Specifications

Nominal Voltage		12V
Rated Capacity (10 hour rate)		250Ah
Dimensions	Total Height	223±2mm(8.77 inches)
	Height	220±2mm(8.71 inches)
	Length	520±2mm(20.47 inches)
	Width	267±2mm(10.51 inches)
Weight Approx		67.5kg(148.84 lbs)±4%

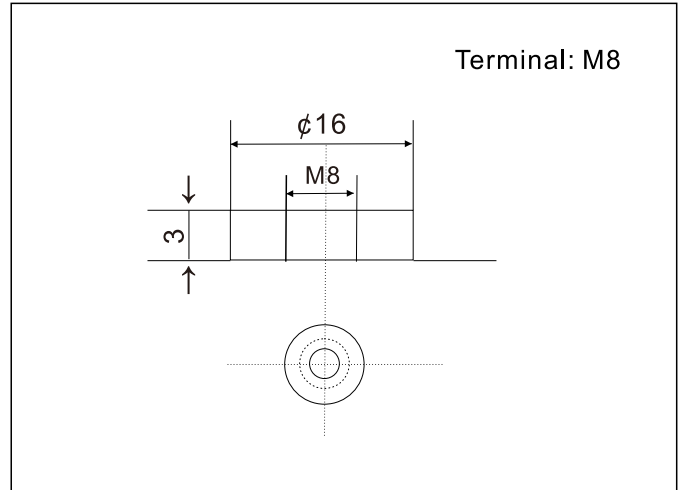
### ● Outer Dimensions (mm)



### ● Characteristics

Capacity 25°C(77°F)	10 hour rate(25A) 5 hour rate(44.6A) 1hour rate(155A)	250 AH 223 AH 155AH
Internal Resistance	Full charged Battery at 25°C(77°F)	2.6mΩ
Capacity affected by Temperature (10hour rate)	40°C(104°F) 25°C(77°F) 0°C(32°F) -15°C(5°F)	102% 100% 85% 65%
Self-Discharge at 25°C(77°F)	Capacity after 3 month storage Capacity after 6 month storage Capacity after 12 month storage	91% 82% 64%
Charge (constant voltage)	Cycle	Initial Charging Current Less than 62.5A Voltage 14.50-14.90V
	Float	Voltage 13.50-13.80V

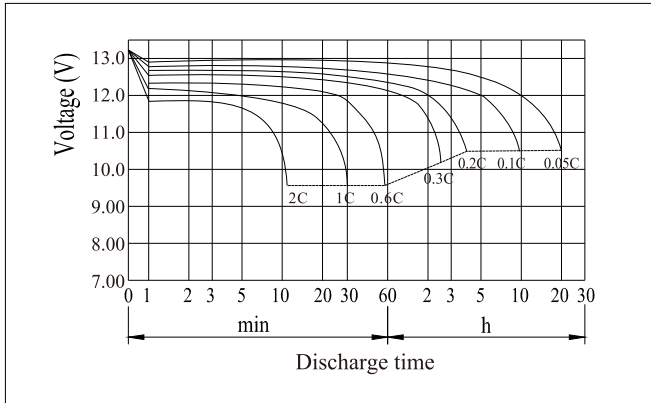
### ● Terminal Type (mm)



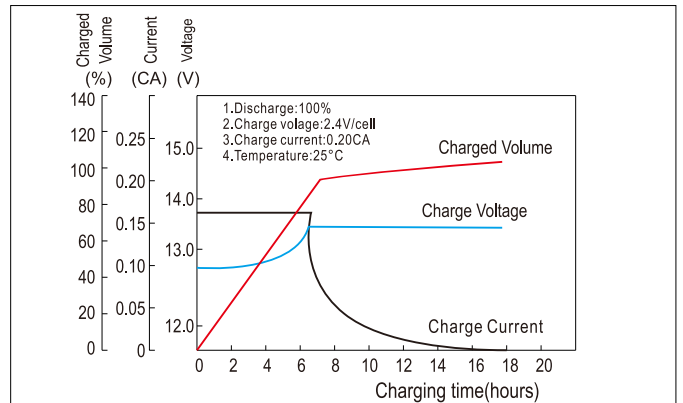
### Constant Current(AMP) and Constant Power(Watt) Discharge Table at 25°C(77°F)

Time		15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
9.60V	A	338	233	145	85.0	60.0	47.3	39.5	33.8	26.3	23.4	12.8	—	—
	w	3768	2655	1675	990	708	558	470	400	313	280	154	—	—
9.90V	A	330	229	144	84.5	59.5	47.0	39.3	33.5	26.0	23.4	12.8	—	—
	w	3675	2603	1650	983	705	555	468	398	313	280	154	—	—
10.20V	A	318	221	140	83.8	59.3	46.5	39.0	33.3	26.0	23.3	12.8	5.58	—
	w	3540	2523	1610	975	700	550	463	395	310	280	154	66.9	—
10.50V	A	308	216	138	82.5	58.8	46.3	38.8	33.0	25.8	23.1	12.5	5.54	2.30
	w	3420	2463	1578	960	695	548	460	393	308	278	151	66.5	27.8
10.80V	A	290	208	133	80.5	57.0	44.8	37.5	32.0	25.0	23.0	12.5	5.54	2.30
	w	3240	2373	1528	935	673	530	448	380	298	275	151	66.5	27.5

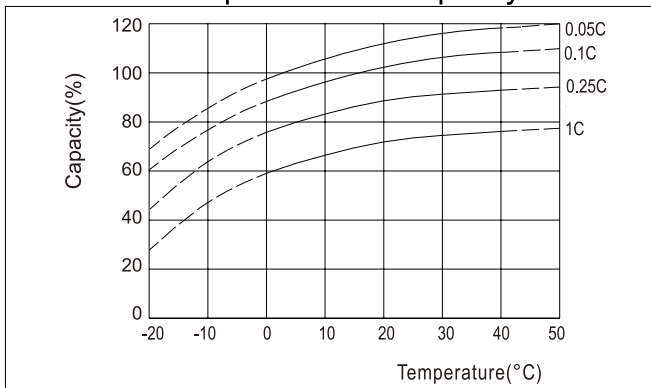
### ● Discharge Characteristics(25°C)



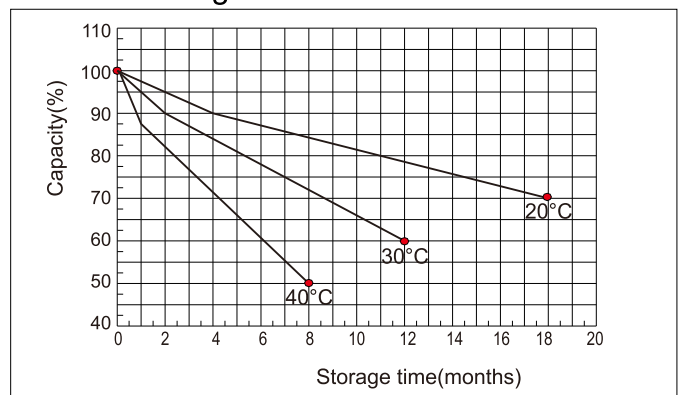
### ● Charging Characteristics(25°C)



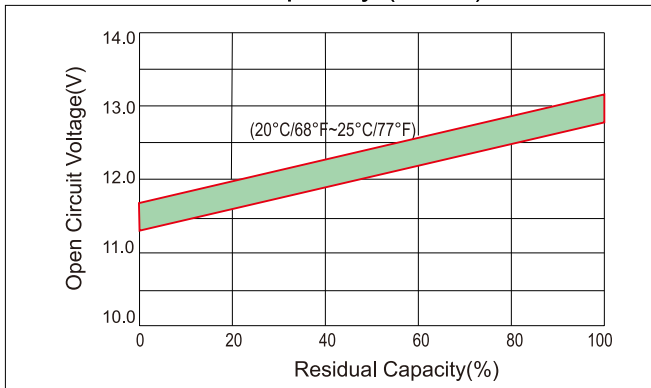
### ● Effect of Temperature on Capacity



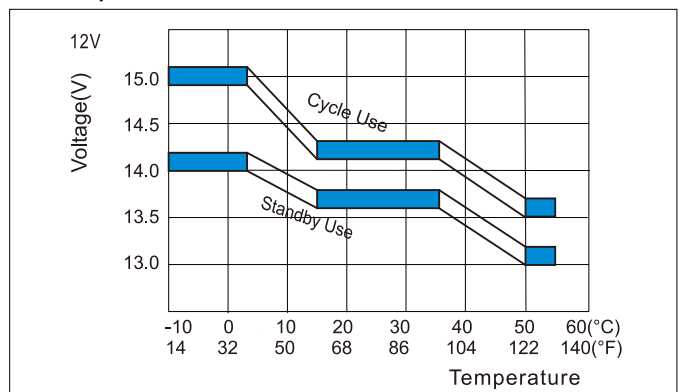
### ● Self-discharge Characteristics



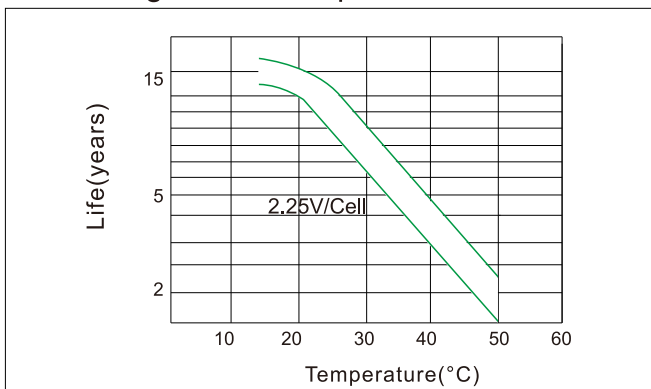
### ● The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



### ● The Relationship for Charging Voltage and Temperature



### ● Floating Life on Temperature



### ● Cycle Life on D.O.D (25°C)

