



Specifications

Nominal Voltage		12V
Rated Capacity (10 hour rate)		150Ah
Dimensions	Total Height	240±2mm(9.45 inches)
	Height	240±2mm(9.45 inches)
	Length	483±2mm(19.0 inches)
	Width	170±2mm(6.69 inches)
Weight Approx		40.5kg(93.77 lbs)±4%

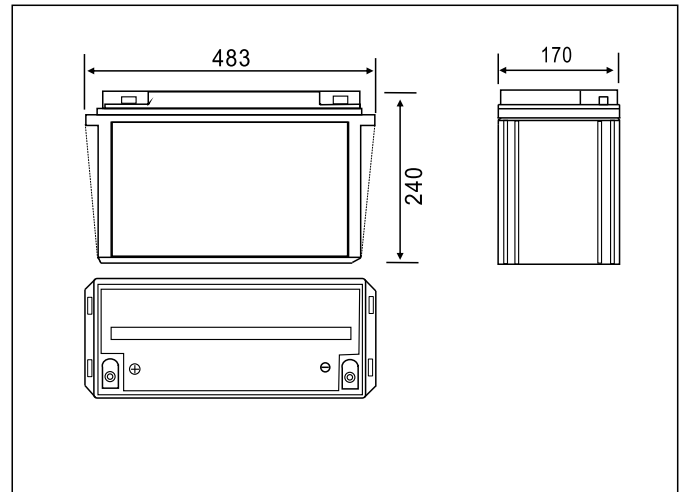
Characteristics

Capacity 25°C(77°F)	10 hour rate(15A) 5 hour rate(26A) 1 hour rate(93A)	150 AH 130 AH 93AH
Internal Resistance	Full charged Battery at 25°C(77°F)	3.5m Ω
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 37.5 A Voltage 14.50-14.90V
	Float	Voltage 13.50-13.80V

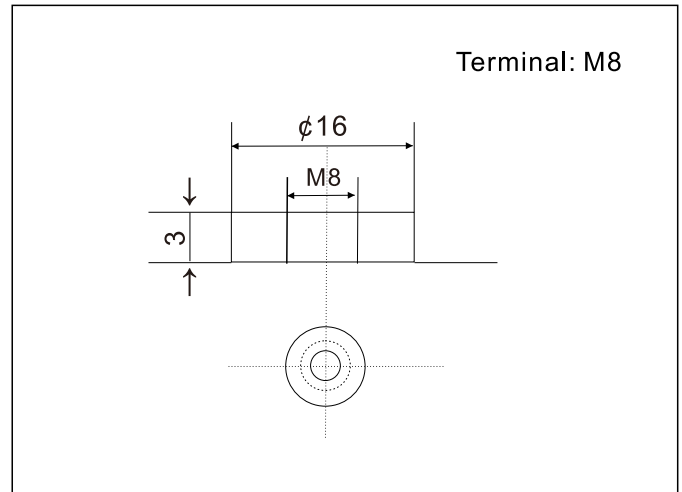
Applications

- 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

Outer Dimensions (mm)



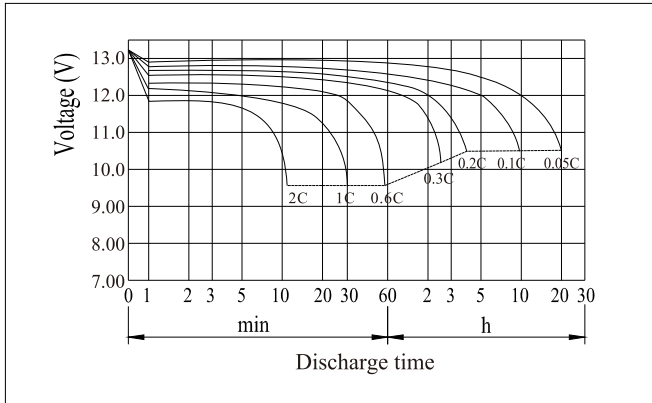
Terminal Type (mm)



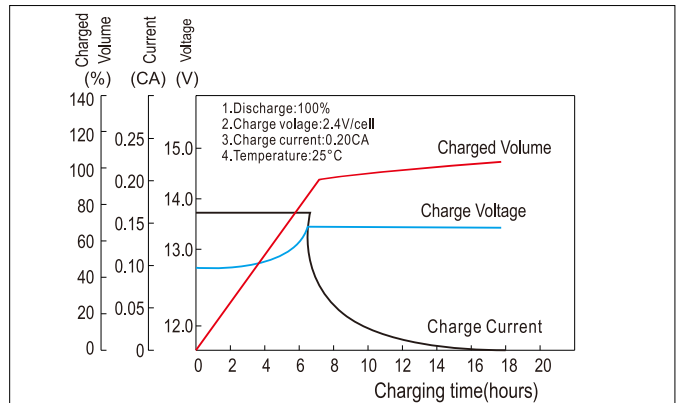
Constant Current(AMP) and Constant Power(Watt) Discharge Table at 25°C(77°F)

Time		15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
9.60V	A	203	140	87.3	51.0	36.0	28.3	23.7	20.2	15.8	14.0	7.67	—	—
	w	2260	1594	1006	594	425	335	282	240	188	169	92.4	—	—
9.90V	A	198	137	86.0	50.7	35.7	23.6	23.6	20.1	15.7	14.0	7.65	—	—
	w	2206	1562	991	590	422	333	280	239	187	168	92.3	—	—
10.20V	A	190	133	83.8	50.3	35.5	23.4	23.4	19.9	15.6	14.0	7.63	3.35	—
	w	2124	1514	965	585	420	330	278	237	186	168	92.0	40.1	—
10.50V	A	184	130	82.1	49.5	35.3	27.8	23.3	19.8	15.5	13.9	7.53	3.32	1.50
	w	2052	1477	946	576	420	328	276	235	184	167	90.8	39.8	16.6
10.80V	A	174	125	79.6	48.2	34.2	26.9	22.6	19.2	15.0	13.8	7.50	3.32	1.50
	w	1944	1423	917	562	404	318	268	228	179	166	90.4	39.8	16.5

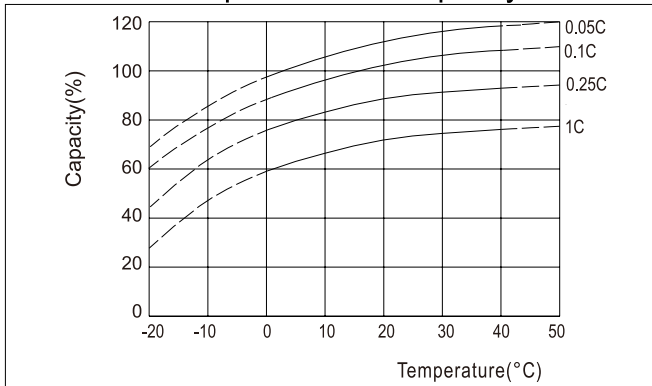
● Discharge Characteristics(25°C)



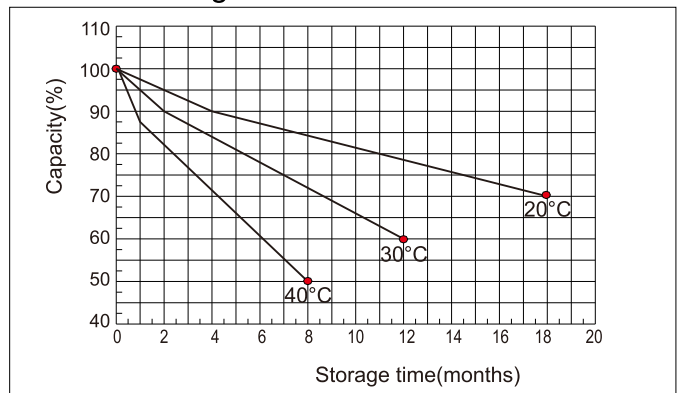
● Charging Characteristics(25°C)



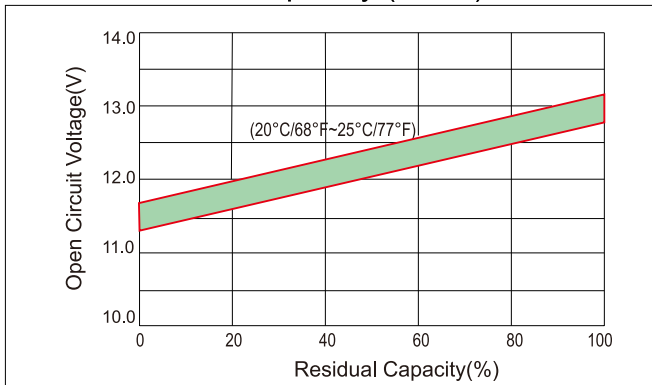
● Effect of Temperature on Capacity



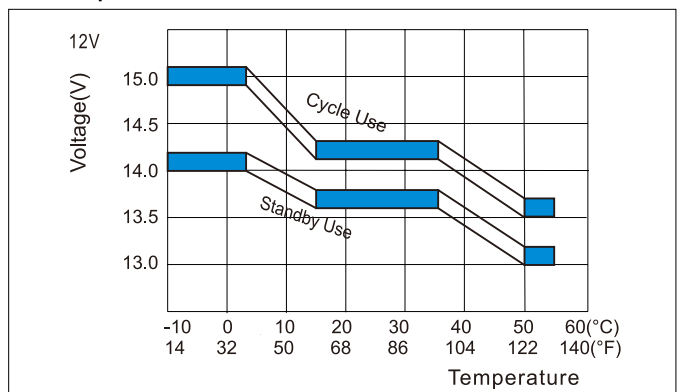
● Self-discharge Characteristics



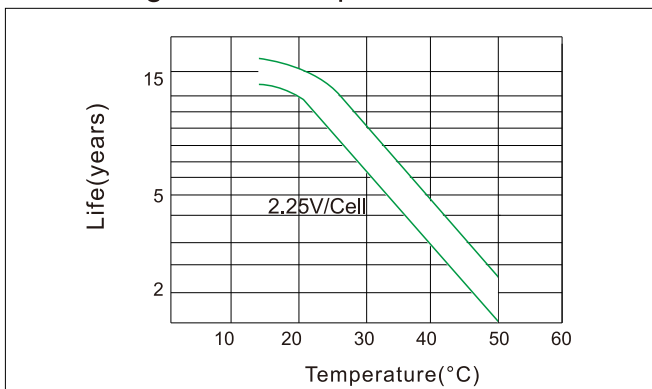
● The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



● The Relationship for Charging Voltage and Temperature



● Floating Life on Temperature



● Cycle Life on D.O.D (25°C)

