

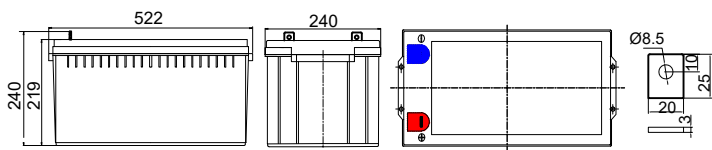


General Features

- High corrosion resistant performance: Pb-Ca multi-alloy grid
- High energy density and power density
- Optimized capability of instant high-current discharging
- Excellent charge acceptance ability
- Excellent deep cycle discharge capability
- Strong high and low temperature performance
- Precision sealing technology
- Long life



Dimension: 522(L) × 240(W) × 219(H) × 240(TH) Unit: mm



Terminal Dimensions

Applications

- UPS/EPS
- Power systems
- Telecommunications system
- Emergency lighting、Auto control system
- Solar/wind generating storage cyclic
- Other general purpose

Specification

Nominal Voltage	12V
Nominal Capacity	200Ah
Design life	10 years
Terminal	F16
Approx. Weight	Approx 57.0kg (126lbs)
Container Material	ABS
Rated Capacity	200Ah 10Hour Rate (20.0A to 10.8V)
	164.1Ah 3Hour Rate (54.7A to 10.2V)
	135Ah 1Hour Rate (135A to 9.6V)
Internal resistance	Full charged at 25°C: 4.8 mΩ
Max. Discharge Current	2400A(5S)
Operating Temperature	Discharge: -20 ~ 50°C (-4 ~ 122°F)
	Charge: -20 ~ 50°C (-4 ~ 122°F)
	Storage: -20 ~ 50°C (-4 ~ 122°F)
Charge current:	Max. 50A ; Recom. 20A
Charge Method (25 °C)	Float Charge: 13.5-13.8V, recom. 13.8V (-18mV/ °C)
	Equalize charge: 13.8-14.1V, recom. 14.1V (-24mV/ °C)
	Cycle charge: 14.4-15.0V, recom. 14.7V (-30mV/ °C)
Self discharge	3% of capacity declined per month at 25°C

Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

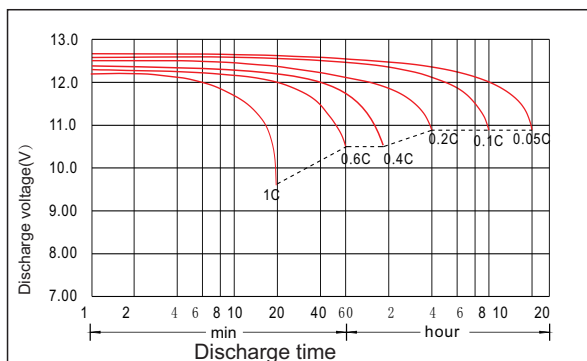
FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	306	306	306	184	159	135	84.8	77.2	56.1	40.6	37.6	30.0	24.7	20.8	10.7
1.65V	301	301	301	181	157	134	84.0	76.8	55.4	40.2	37.3	29.8	24.5	20.6	10.6
1.70V	289	289	289	178	155	133	83.2	76.2	54.7	39.8	36.9	29.4	24.3	20.4	10.4
1.75V	266	266	266	176	154	131	82.4	75.0	54.1	39.4	36.5	29.2	24.1	20.2	10.2
1.80V	238	238	238	169	148	127	81.6	73.7	53.7	39.0	35.4	28.8	23.9	20.0	10.1
1.85V	212	212	212	154	136	118	79.0	70.0	50.6	37.9	33.7	28.0	23.0	19.4	9.84

Constant Power Discharge Characteristics Unit: W/cell (25°C, 77°F)

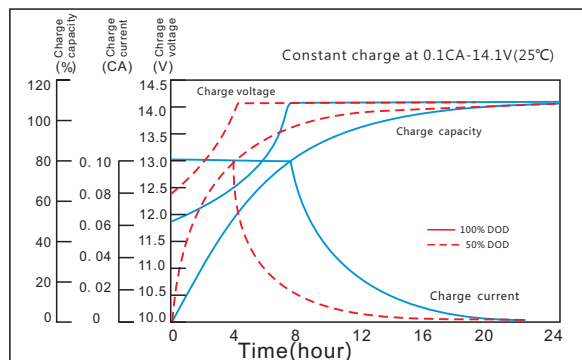
FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	520	520	520	361	312	264	167	152	110	79.9	74.1	59.1	48.9	41.2	21.2
1.65V	512	512	512	354	308	263	165	151	109	79.3	73.4	58.6	48.5	40.9	20.9
1.70V	491	491	491	348	304	261	164	150	108	78.3	72.7	58.0	48.2	40.4	20.6
1.75V	452	452	452	346	301	258	162	148	107	77.7	71.9	57.5	47.7	40.1	20.3
1.80V	404	404	404	331	290	251	161	145	106	76.9	69.8	56.7	47.4	39.6	20.0
1.85V	363	363	363	303	268	234	156	139	100	75.1	66.7	55.4	45.7	38.7	19.7

JM12-200

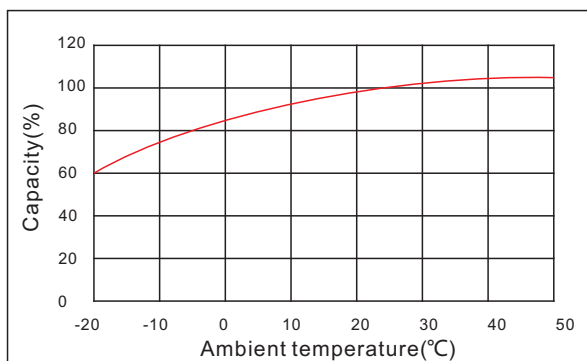
Discharge characteristic



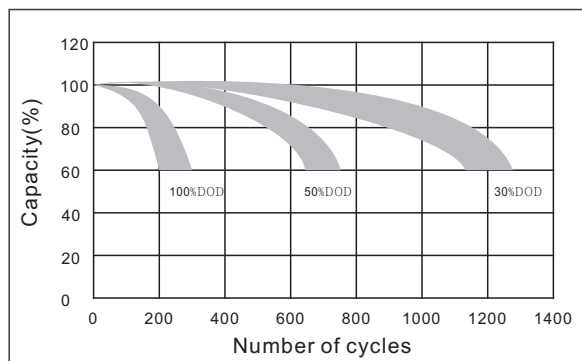
Charging characteristic



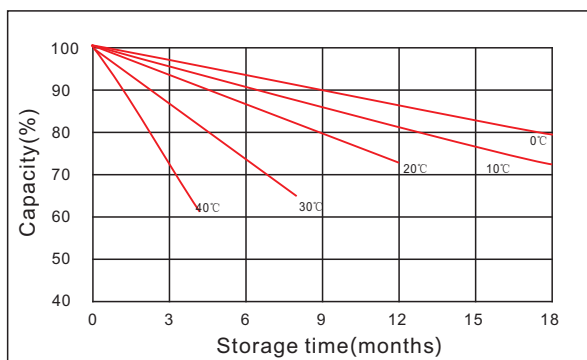
The effect of temperature on capacity



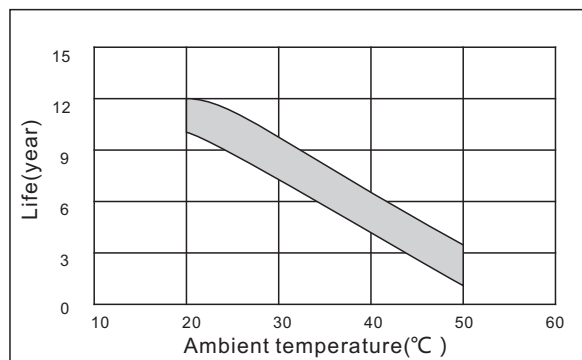
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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