



# JH Series High-Rate battery JH12-210W

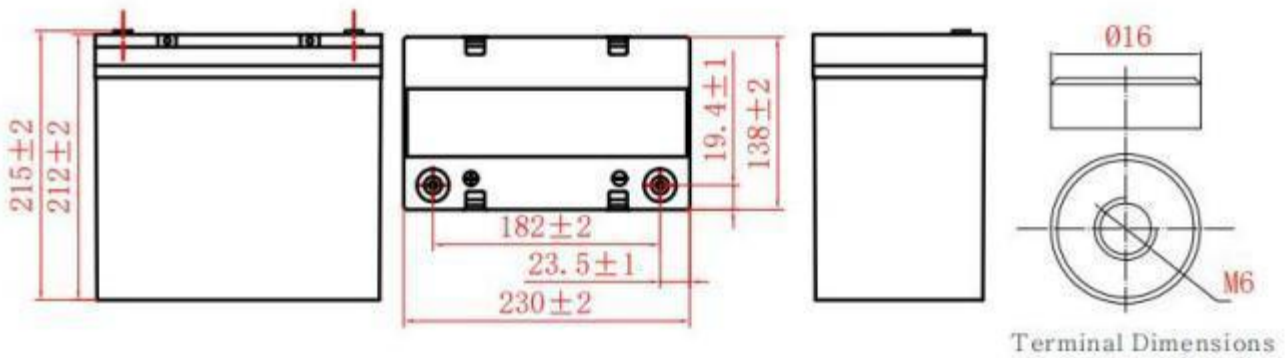
## General Features

- ▶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: 230(L) × 138(W) × 212(H) × 215(TH)

Unit: mm



Terminal Dimensions

Specification	
Nominal Voltage	12V
Nominal Capacity	2 10 W @ 1 5 min- rate to 1.6 7V percell@ 2 5 °C
Design life	10 years
Terminal	M6
Approx. Weight	Approx 17.5kg±3% (38.58 ±3%lbs)
Container Material	ABS(UL94-HB, UL94-V0 Optional)
short-circuit current	1538A
Internal resistance(Full charged at 25°C: )	7.8 mΩ
Self discharge	3% of capacity declined per month at 25°C
Operating Temperature	
Discharge:	-20 ~50°C(-4~ 122°F)
Charge :	-20 ~50°C(-4~ 122°F)
Storage:	-20 ~50°C(-4~ 122°F)
Charge Method(25 °C)	
Charge current:	Max. 13.8A;Recom.5.5A
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)

## Standards

Executive standard: IEC 60896-21/22, GB/T 19638.1-2014, YD/T 3427-2018

## Applications

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

## Rated Capacity

10Hour Rate (5.50A to 10.8V)	55.0Ah
3Hour Rate (15.2A to 10.2V)	45.6Ah
1Hour Rate (38.2A to 9.6V)	38.2Ah

## Attain Certificate

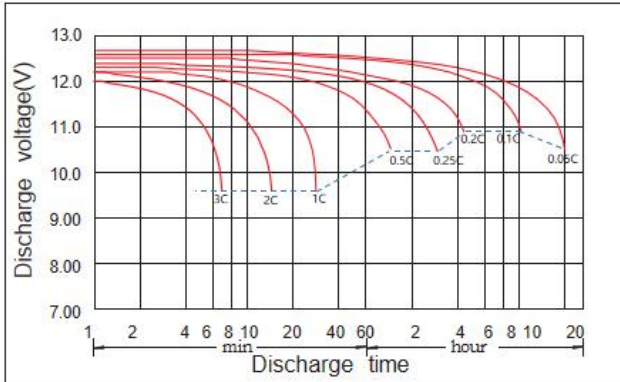


Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

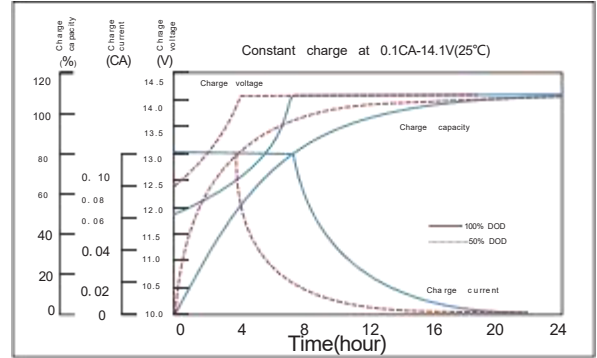


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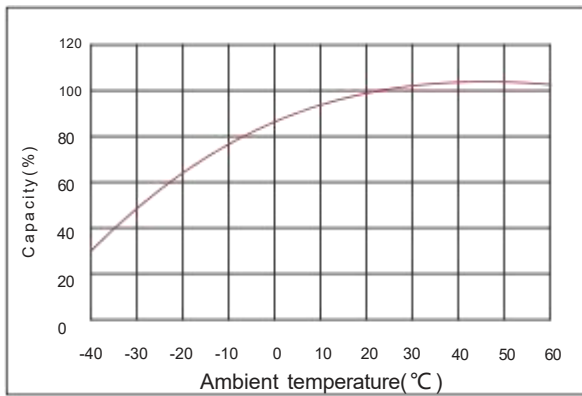
## Discharge characteristic



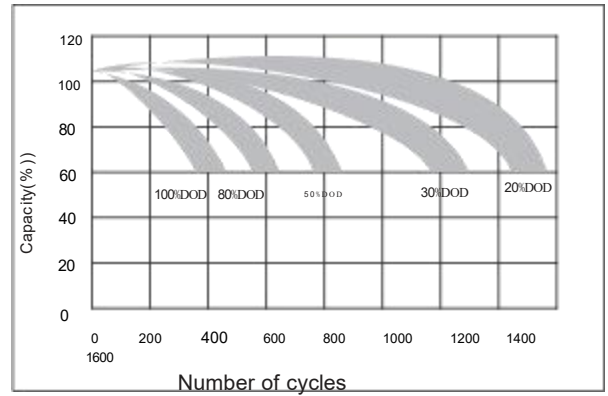
## Charging characteristic



## The effect of temperature on capacity



## The effect of discharge depth on cycle life



### 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	168.1	139.0	116.0	68.2	48.5	38.2	27.4	21.6	15.6	12.3	10.3	8.76	6.92	5.87	3.07
1.67V	151.1	128.5	108.1	66.7	47.6	37.8	27.1	21.2	15.3	12.1	10.1	8.61	6.84	5.77	3.02
1.70V	145.0	121.0	104.4	65.1	47.1	37.0	27.0	21.1	15.2	11.9	9.95	8.51	6.71	5.73	2.99
1.75V	133.9	113.4	98.8	62.3	45.0	35.4	25.8	20.4	14.7	11.6	9.70	8.39	6.60	5.58	2.95
1.80V	122.6	105.8	93.4	59.7	43.3	34.3	24.9	19.6	14.3	11.2	9.45	8.09	6.49	5.50	2.92
1.85V	105.2	90.6	80.9	52.8	38.2	30.8	22.6	18.0	13.2	10.4	8.81	7.60	6.12	5.25	2.78

### 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	310.0	260.2	217.8	128.0	91.3	73.1	52.8	41.8	30.3	24.1	20.1	17.2	13.8	11.7	6.16
1.67V	274.9	243.5	210.0	125.2	90.7	73.0	52.5	41.3	30.0	23.7	19.9	17.0	13.6	11.6	6.06
1.70V	272.0	235.1	203.1	122.9	90.1	71.7	52.5	41.1	29.8	23.4	19.7	16.9	13.4	11.5	6.01
1.75V	252.0	221.7	194.7	118.9	86.8	68.9	50.5	39.9	29.0	22.9	19.2	16.7	13.2	11.2	5.94
1.80V	232.4	208.6	185.6	114.9	84.2	67.2	48.9	38.6	28.2	22.3	18.8	16.2	13.0	11.1	5.89
1.85V	202.7	181.0	161.7	102.8	74.9	60.7	44.8	35.6	26.2	20.8	17.6	15.2	12.3	10.6	5.62