



JH Series High-Rate battery JH12-800W

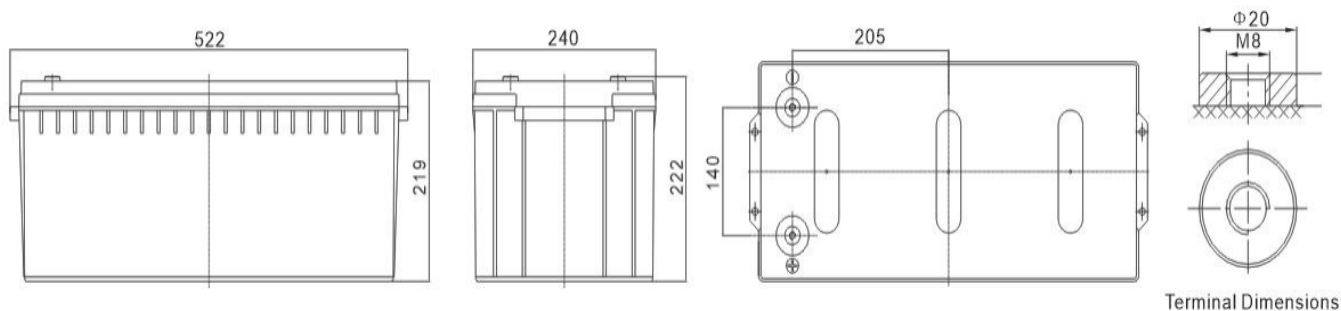
General Features

- 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)×222(TH)/(±3)

Unit: mm



Specification

Nominal Voltage	12V
Nominal Capacity	800W@15min-rate to 1.67V percell@25°C
Design life	10 years
Terminal	M8
Approx. Weight	Approx68.0±3%kg (149.9±3%lbs)
Container Material	ABS(UL94-HB, UL94-V0 Optional)
short-circuit current	3000A
Internal resistance(Full charged at 25°C:)	4.0mΩ
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. 52.5A;Recom.21.0A
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 (21.0A to 10.8V)	210.0Ah
3Hour Rate (57.3A to 10.2V)	171.9Ah
1Hour Rate (139.2A to 9.6V)	139.2Ah

Attain Certificate

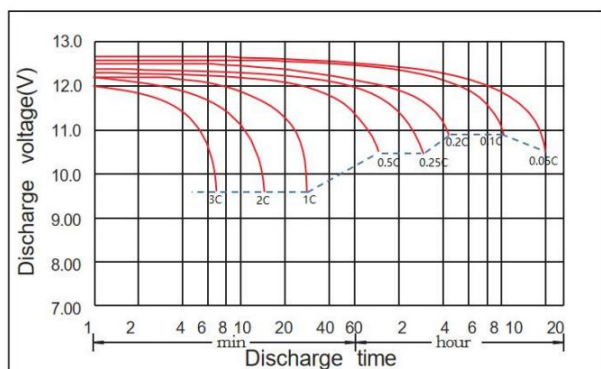


Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

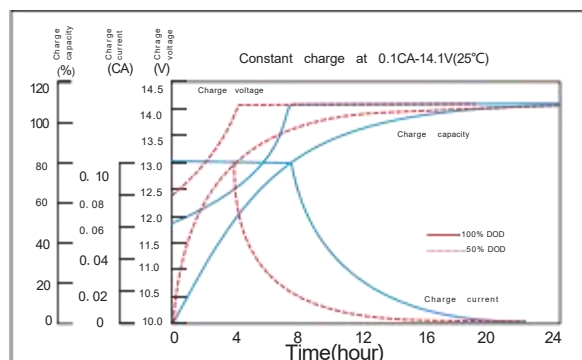


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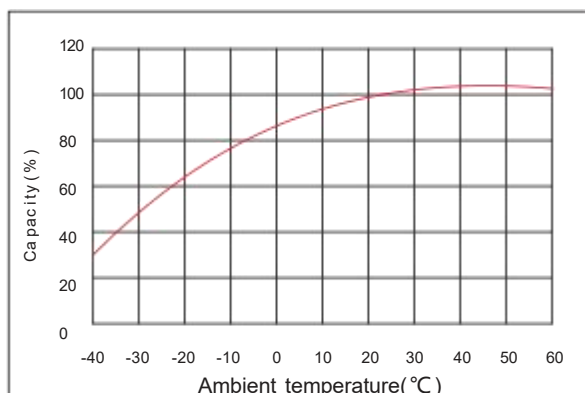
Discharge characteristic



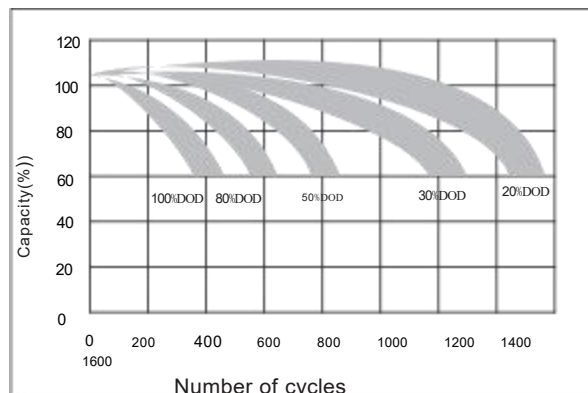
Charging characteristic



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	605.2	513.6	433.9	260.5	185.2	139.2	104.7	82.7	59.4	47.0	39.2	33.4	26.4	22.4	11.7
1.67V	544.1	474.6	404.6	254.6	181.6	137.9	103.4	81.0	58.5	46.1	38.5	32.9	26.1	22.0	11.5
1.70V	522.0	447.0	390.7	248.6	179.7	135.0	102.9	80.5	57.3	45.3	38.0	32.5	25.6	21.9	11.4
1.75V	481.9	419.0	369.5	238.0	171.8	129.0	98.6	77.7	56.2	44.2	37.0	32.0	25.2	21.3	11.3
1.80V	441.4	391.1	349.5	227.8	165.3	125.0	94.9	74.9	54.4	42.8	36.1	30.9	24.8	21.0	11.2
1.85V	378.9	331.3	300.6	201.7	145.9	112.2	86.5	68.6	50.3	39.8	33.6	29.0	23.3	20.0	10.6

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	1100	955.0	821.5	480.6	347.9	278.4	201.0	159.1	115.3	91.6	76.7	65.7	52.4	44.7	23.5
1.67V	975.8	898.7	800.0	477.1	345.3	278.1	200.1	157.2	114.3	90.4	75.8	64.9	52.0	44.1	23.1
1.70V	965.3	862.8	758.2	468.1	343.2	273.1	199.9	156.7	113.3	89.1	75.0	64.3	51.0	43.8	22.9
1.75V	894.6	813.7	719.3	452.8	330.8	262.6	192.5	151.9	110.4	87.1	73.3	63.6	50.3	42.7	22.6
1.80V	825.0	765.4	692.9	437.8	320.8	256.0	186.3	147.2	107.4	84.8	71.7	61.5	49.6	42.1	22.4
1.85V	719.7	657.1	603.8	391.5	285.4	231.1	170.7	135.5	99.6	79.1	67.0	58.0	46.8	40.3	21.4