



JH Series High-Rate Battery JH12-410W

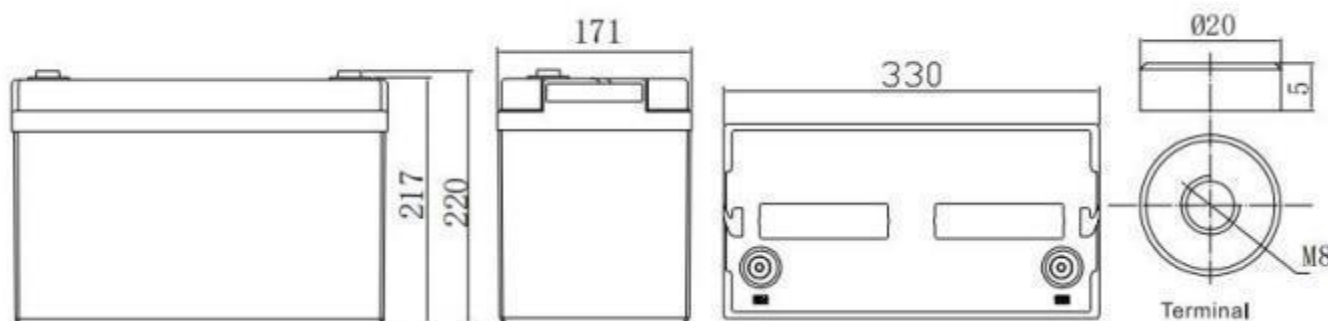
General Features

- ▶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:330(L) × 171(W) × 217(H) × 220(TH)/(±2mm)

Unit: mm



Specification

Nominal Voltage	12V
Nominal Capacity	410W@ 1.5 min- rate to 1.67V percell@ 25℃
Design life	10 years
Terminal	M8/M6
Approx. Weight	Approx32.0 ±3%kg (70.5 ±3%lbs)
Container Material	ABS(UL94-HB, UL94-V0 Optional)
short-circuit current	3428A
Internal resistance(Full charged at 25℃:)	4.5 mΩ
Self discharge	3% of capacity declined per month at 25℃

Operating Temperature

Discharge:	-20 ~50℃(-4~ 122°F)
Charge :	-20 ~50℃(-4~ 122°F)
Storage:	-20 ~50℃(-4~ 122°F)

Charge Method(25℃)

Charge current:	Max. 27.5A;Recom.11.0A
Float charge:13.5-13.8V	recom.13.8V(-18mV/℃)
Equalize charge:13.8-14.1V	recom.14.1V(-24mV/℃)
Cycle charge:14.4-15.0V	recom.14.7V(-30mV/℃)

Standards

Executive standard: IEC 60896-21/22,
GB/T 19638.1-2014, YD/T 2343-2011

Applications

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

Rated Capacity

20Hour Rate (5.5A to 10.5V)	110Ah
3Hour Rate (28.1A to 10.2V)	84.3Ah
1Hour Rate (70.8A to 9.6V)	70.8Ah

Attain Certificate

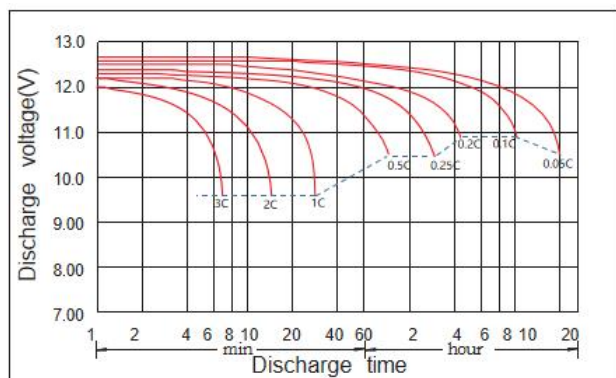


Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

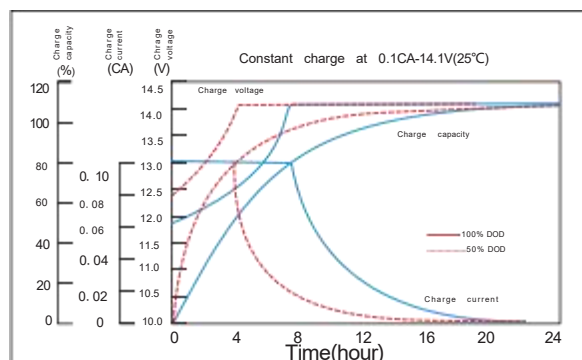


JH Series High-Rate Battery JH12-410W

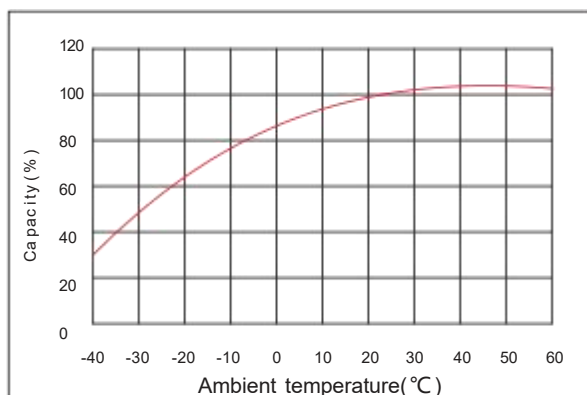
Discharge characteristic



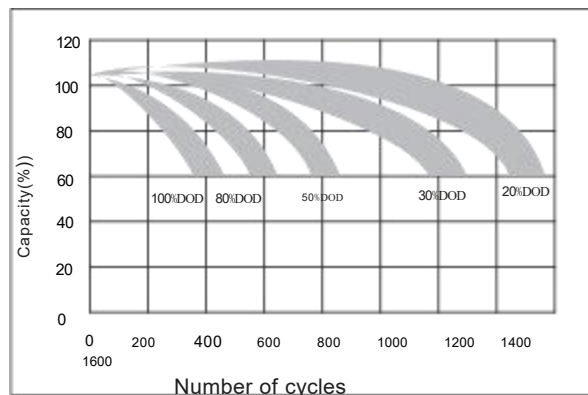
Charging characteristic



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	326.0	261.9	215.1	126.5	89.9	70.8	50.9	40.1	28.9	22.8	19.0	16.2	12.8	10.9	5.70
1.67V	288.3	243.3	200.5	123.7	88.2	70.1	50.2	39.4	28.4	22.4	18.7	16.0	12.7	10.7	5.60
1.70V	276.6	228.0	193.6	120.7	87.3	68.7	50.0	39.1	28.1	22.0	18.5	15.8	12.4	10.6	5.54
1.75V	255.4	213.7	183.1	115.6	83.5	65.6	47.9	37.7	27.3	21.5	18.0	15.6	12.2	10.4	5.50
1.80V	236.5	200.5	173.2	110.6	80.3	63.6	46.1	36.4	26.4	20.8	17.5	15.0	12.0	10.2	5.42
1.85V	205.2	171.6	149.0	98.0	70.9	57.1	42.0	33.3	24.4	19.3	16.3	14.1	11.3	9.74	5.16

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	640.9	513.5	423.2	248.8	178.3	142.7	103.0	81.6	59.1	47.0	39.3	33.7	26.9	22.9	12.0
1.67V	568.3	483.2	410.0	244.5	177.0	142.5	102.6	80.6	58.6	46.3	38.8	33.3	26.6	22.6	11.8
1.70V	549.7	454.0	384.6	239.9	175.9	140.0	102.4	80.3	58.1	45.7	38.4	33.0	26.1	22.4	11.7
1.75V	510.6	428.2	372.5	232.1	169.5	134.6	98.7	77.8	56.6	44.6	37.6	32.6	25.8	21.9	11.6
1.80V	469.8	407.2	355.1	224.4	164.4	131.2	95.5	75.4	55.1	43.5	36.7	31.5	25.4	21.6	11.5
1.85V	409.8	355.2	309.4	200.6	146.3	118.4	87.5	69.5	51.1	40.5	34.4	29.7	24.0	20.7	11.0