



JH Series High-Rate battery JH12-630W

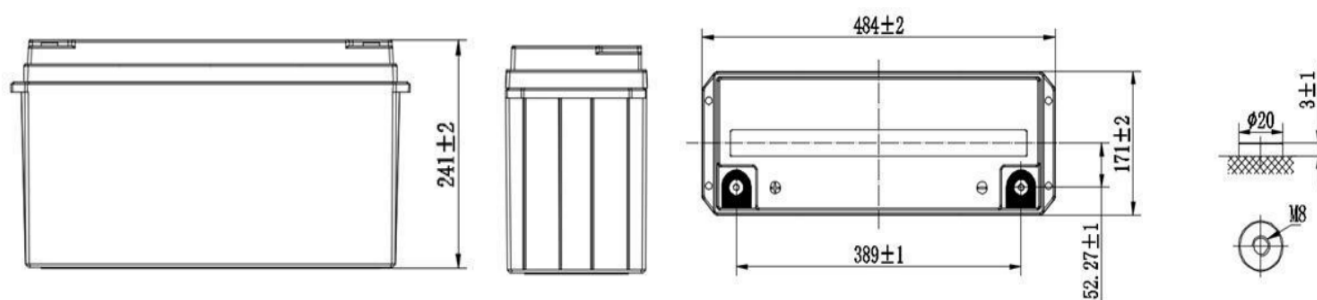
General Features

- 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:484(L) ×171(W)×241(H) ×241(TH)/(±3)

Unit: mm



Specification

Nominal Voltage	12V
Nominal Capacity	630W @ 15 min- rate to 1.67V per cell@ 25℃
Design life	10 years
Terminal	M8
Approx. Weight	Approx48.7kg±3% (107.4lbs±3%)
Container Material	ABS(UL94-HB, UL94-V0 Optional)
short-circuit current	3450A
Internal resistance(Full charged at 25℃:)	3.5 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 °C)

Charge current:	Max. 42.5A;Recom.17.0A
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

Applications

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

Rated Capacity

10Hour Rate (17.0A to 10.8V)	170.0Ah
3Hour Rate (46.3A to 10.2V)	138.9Ah
1Hour Rate (110.2A to 9.6V)	110.20Ah

Attain Certificate

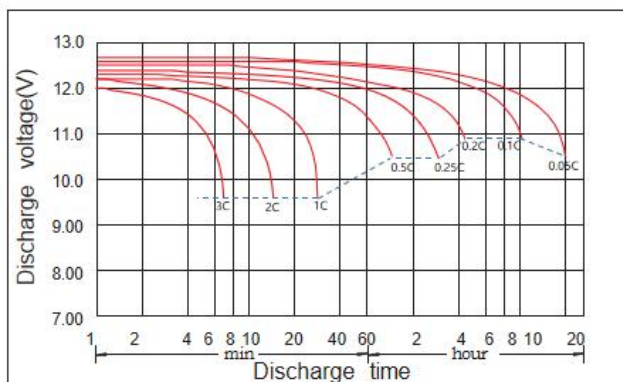


Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

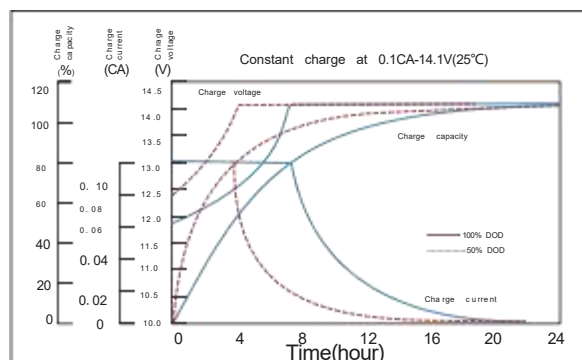


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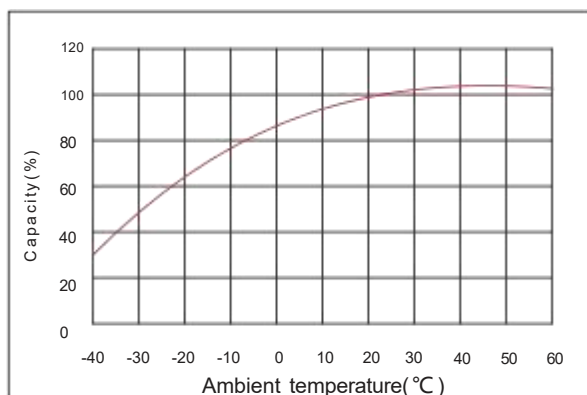
Discharge characteristic



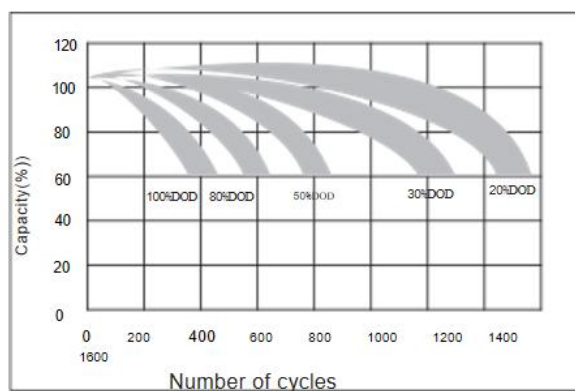
Charging characteristic



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	489.3	420.0	354.2	204.2	145.2	110.2	79.6	66.1	47.6	37.6	31.3	26.7	21.1	18.1	9.39
1.67V	456.4	388.1	330.3	199.6	142.4	105.3	78.6	64.8	46.8	36.9	30.8	26.3	20.9	17.8	9.22
1.70V	437.9	365.5	318.9	194.9	140.9	103.1	78.2	64.4	46.3	36.3	30.4	26.0	20.5	17.7	9.13
1.75V	396.1	342.6	301.7	186.6	134.7	102.1	75.0	62.2	44.9	35.3	29.6	25.6	20.2	17.3	9.02
1.80V	366.5	319.8	285.3	178.6	129.6	99.0	72.1	59.9	43.6	34.3	28.9	24.7	19.8	17.0	8.92
1.85V	317.8	276.3	245.4	158.1	114.4	88.8	65.7	54.9	40.2	31.8	26.9	23.2	18.7	16.2	8.51

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	894.4	772.2	650.3	370.9	268.5	207.1	158.3	125.3	90.8	72.2	60.4	51.7	41.3	35.7	18.5
1.67V	839.2	726.7	630	368.2	266.5	199.7	157.6	123.8	90.0	71.2	59.7	51.1	40.9	35.1	18.2
1.70V	830.3	697.7	609.3	361.2	264.9	196.1	157.4	123.4	89.3	70.1	59.0	50.7	40.2	34.9	18.0
1.75V	769.5	671.058	584	349.5	255.3	195.4	151.6	119.6	86.9	68.6	57.7	50.1	39.6	34.1	17.8
1.80V	709.6	631.278	556.8	337.9	247.6	190.5	146.7	115.9	84.6	66.8	56.4	48.5	39.1	33.6	17.7
1.85V	619	541.926	485.2	302.1	220.3	171.9	134.4	106.7	78.5	62.3	52.8	45.7	36.9	32.1	16.9