



JH Series High-Rate battery JH12-550W

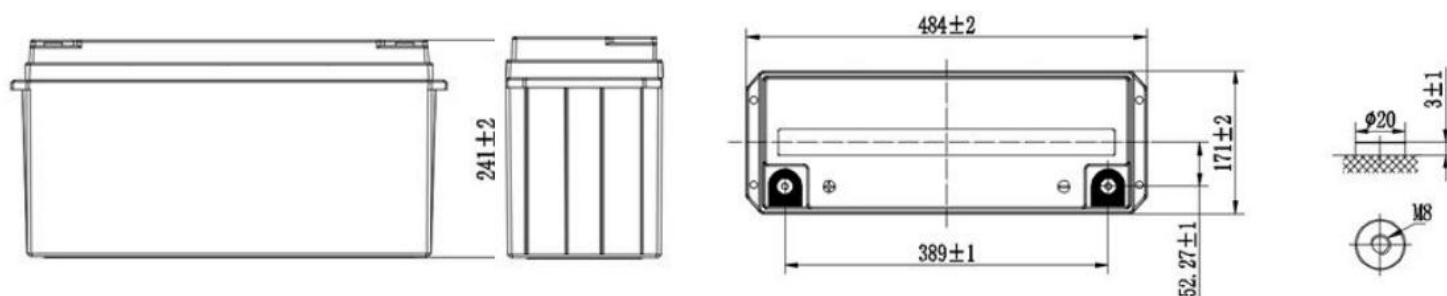
General Features

- 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)

Unit: mm



Specification

Nominal Voltage	12V
Nominal Capacity	160Ah(550W@15min-rate to 1.67V percell@25°C)
Design life	12 years
Terminal	M8
Approx. Weight	Approx45.0kg±3%(99.21lbs±3%)
Container Material	ABS(UL94-HB, UL94-V0 Optional)
short-circuit current	2500A
Internal resistance(Full charged at 25°C:)	4.2 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. 40A;Recom.16A
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 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 (16A to 10.8V)	160.0Ah
3Hour Rate (42.5A to 10.2V)	127.5Ah
1Hour Rate (96.2A to 9.6V)	96.2Ah

Attain Certificate

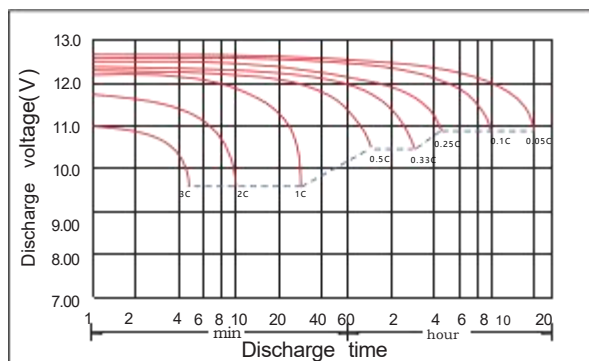


Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

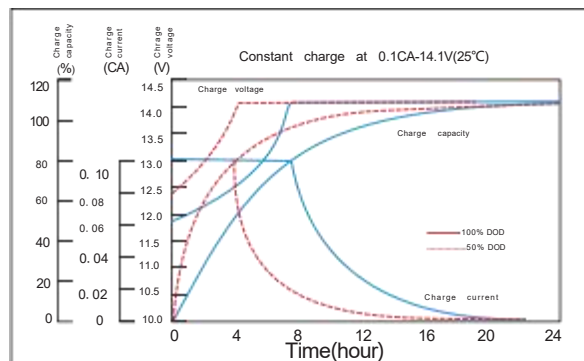


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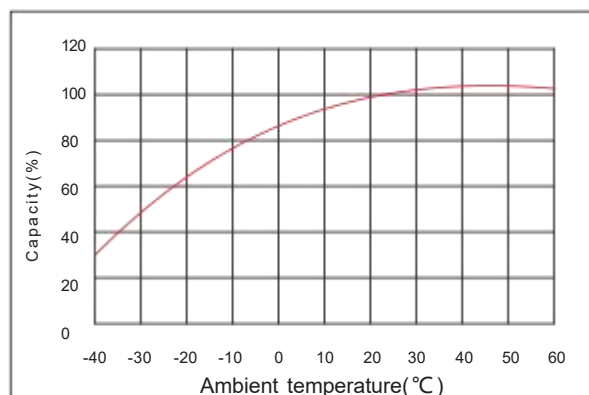
Discharge characteristic



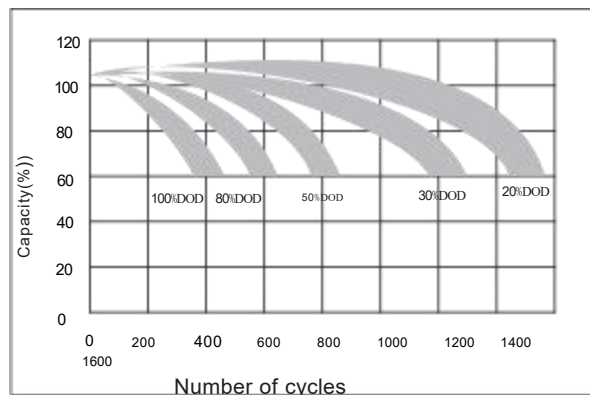
Charging characteristic



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	472.1	375.8	309.2	178.3	126.7	96.2	74.9	62.2	43.6	35.4	29.5	25.2	19.9	17.1	8.84
1.67V	418.4	347.3	288.4	174.3	124.3	92.0	73.9	61.0	43.0	34.7	29.0	24.7	19.7	16.8	8.68
1.70V	401.4	327.1	278.4	170.1	123.0	90.0	73.6	60.6	42.5	34.1	28.6	24.5	19.3	16.7	8.59
1.75V	370.6	306.6	263.3	162.9	117.6	89.2	70.5	58.5	41.2	33.3	27.9	24.1	19.0	16.2	8.49
1.80V	339.4	286.2	249.1	155.9	113.2	86.4	67.9	56.4	40.0	32.3	27.2	23.2	18.7	16.0	8.40
1.85V	291.3	242.4	214.3	138.1	99.9	77.5	61.9	51.7	36.9	30.0	25.3	21.9	17.6	15.3	8.01

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	867.6	691.0	576.3	323.8	234.4	180.8	149.0	118.0	83.4	67.9	56.9	48.7	38.8	33.6	17.4
1.67V	769.3	650.3	550.0	321.5	232.7	174.3	148.3	116.5	82.6	67.0	56.2	48.1	38.5	33.0	17.1
1.70V	761.1	624.3	531.9	315.4	231.2	171.2	148.1	116.1	81.9	66.0	55.6	47.7	37.8	32.8	17.0
1.75V	705.4	588.7	509.8	305.1	222.8	170.6	142.7	112.6	79.8	64.6	54.3	47.1	37.3	32.1	16.8
1.80V	650.4	553.8	486.1	295.0	216.2	166.3	138.1	109.1	77.6	62.9	53.1	45.6	36.8	31.6	16.6
1.85V	567.4	475.5	423.6	263.8	192.3	150.1	126.5	100.5	72.0	58.6	49.7	43.0	34.7	30.2	15.9