



JH Series High-Rate battery JH12-580W

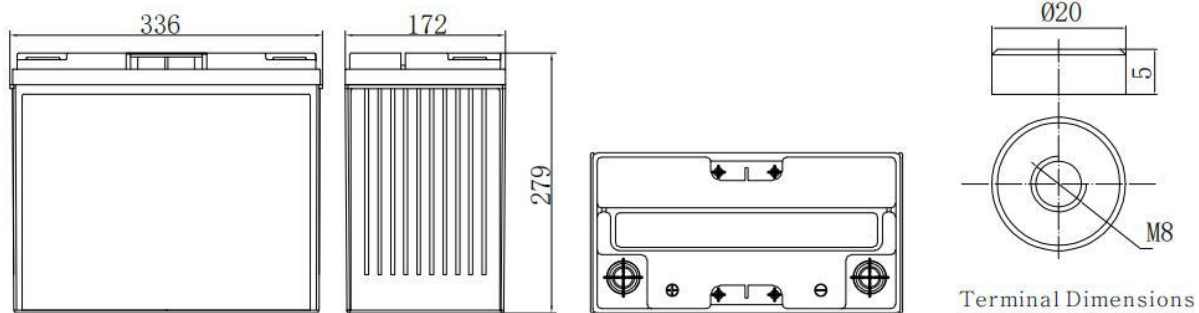
General Features

- ▶ 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: 336(L) × 172(W) × 279(H) × 279(TH)

Unit: mm



Specification	
Nominal Voltage	12V
Nominal Capacity	155Ah(580W@15min-rate to 1.67V percell@25°C)
Design life	10 years
Terminal	M8
Approx. Weight	Approx 45.5kg (100.3lbs)
Container Material	ABS(UL94-HB, UL94-V0 Optional)
short-circuit current	3333A
Internal resistance(Full charged at 25°C:)	3.6 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. 38.7A;Recom.15.5A
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 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

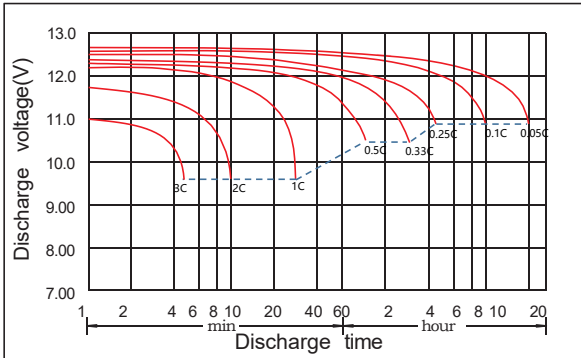
10Hour Rate (15.5A to 10.8V)	155.0Ah
3Hour Rate (39.4A to 10.2V)	118.2Ah
1Hour Rate (109A to 9.6V)	109.0Ah

Attain Certificate

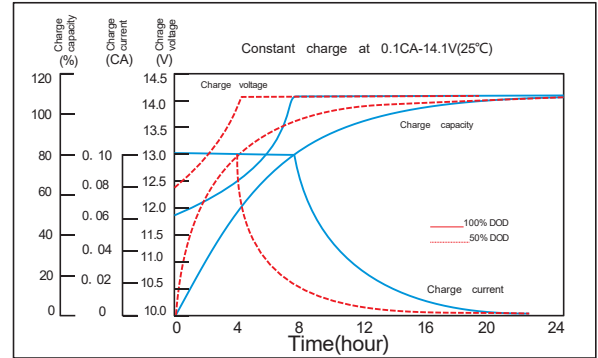


Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

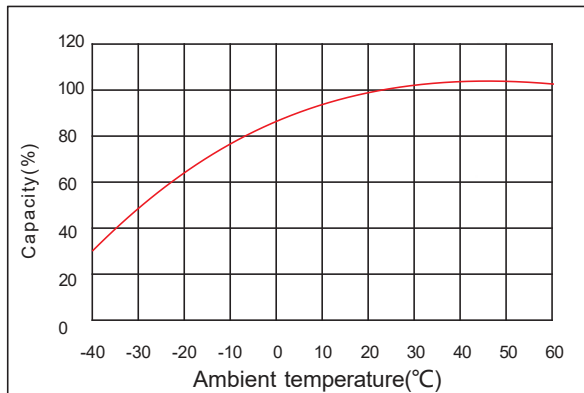
Discharge characteristic



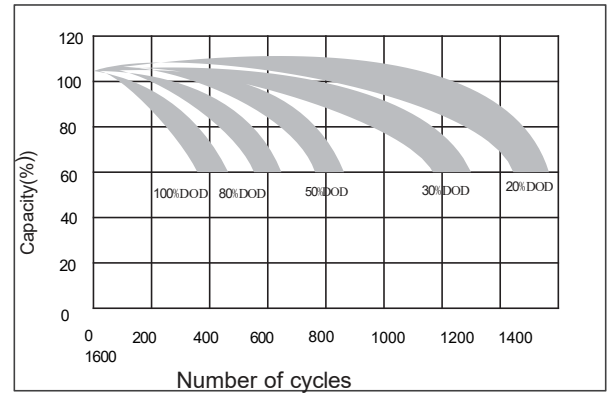
Charging characteristic



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	486	372	333	190	122	109	80.3	53.0	40.2	31.3	27.3	23.5	18.1	16.0	8.43
1.67V	467	360	322	187	121	105	77.2	52.6	39.8	31.0	27.0	23.3	18.0	15.9	8.36
1.70V	453	352	315	183	120	103	75.7	52.1	39.4	30.8	26.8	23.2	17.7	15.8	8.28
1.75V	416	341	306	181	119	102	74.1	51.6	39.1	30.5	26.6	23.0	17.6	15.6	8.21
1.80V	373	318	285	173	118	96.6	70.4	51.1	38.7	30.3	26.3	22.8	17.4	15.5	8.13
1.85V	340	283	251	159	114	88.2	64.8	49.7	37.7	29.4	25.7	22.1	17.0	15.1	7.91

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	790	652	591	344	239	206	152	104	79.1	61.6	53.8	46.3	36.6	31.5	16.8
1.67V	760	640	580	341	237	198	148	103	78.5	61.0	53.4	45.9	36.2	31.3	16.6
1.70V	757	634	575	340	235	197	145	103	78.4	60.4	53.1	45.4	36.0	31.0	16.6
1.75V	705	630	568	339	232	196	144	102	77.9	59.6	52.9	44.9	35.6	30.6	16.2
1.80V	648	595	539	331	230	194	143	102	77.2	59.1	52.6	44.5	35.3	30.3	16.2
1.85V	599	538	476	307	227	181	133	101	76.2	58.3	52.1	43.8	34.4	29.8	15.9