

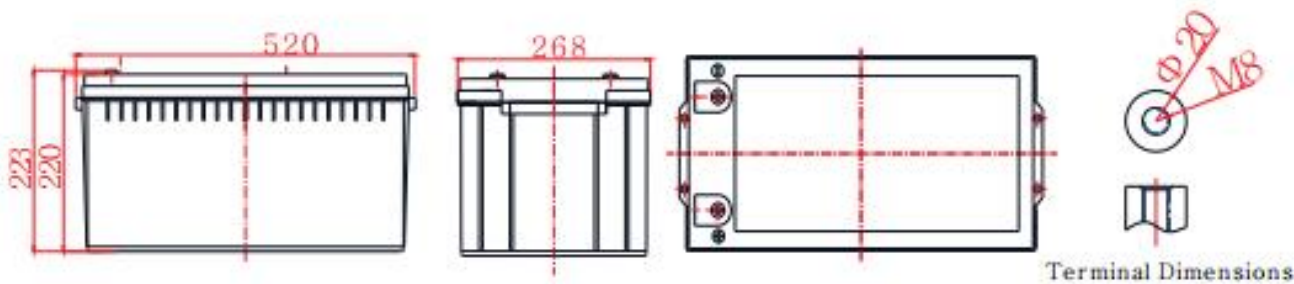
General Features

- Lead-carbon composite negative plate, both capacitance and battery characteristics
- Long cycle life, excellent deep cycle discharge ability
- Excellent charge acceptance ability
- Optimized capability of instant high-current discharging
- Strong high and low temperature performance
- Precision sealing technology



Dimension:520(L)×268(W)×220(H)×223(TH)

Unit: mm



Specification	
Nominal Voltage	12V
Nominal Capacity	250Ah @10Hr-rate to 1.80V percell @25°C
Design life	15 years
Terminal	M8
Approx. Weight	Approx 71.0kg±3% (156.53±3%lbs)
Container Material	ABS
Max discharge current	2500A(5s)
Internal resistance(Full charged at 25°C:)	3.8 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. 62.5A;Recom.25.0A
Float charge: 13.5-13.8V	recom.13.50V(-18mV/ °C)
Equalize charge: 13.8-14.1V	recom.14.10V(-24mV/ °C)
Cycle charge: 14.4-15.0V	recom. 14.4V(-30mV/ °C)

Standards

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

Applications

- Solar/ wind energy and other new energy storage
- Hybrid vehicles, electric bicycles and other new energy vehicles
- Other backup or cycle purposes

Rated Capacity

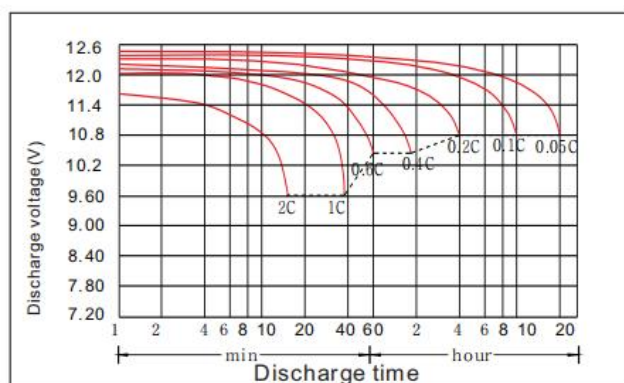
20Hour Rate (25.0A to 10.80V)	250.0Ah
3Hour Rate (66.5A to 10.2V)	199.5Ah
1Hour Rate (158.1A to 9.60V)	158.1Ah

Attain Certificate

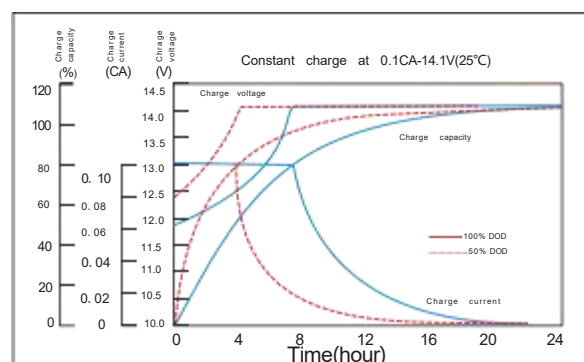


Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

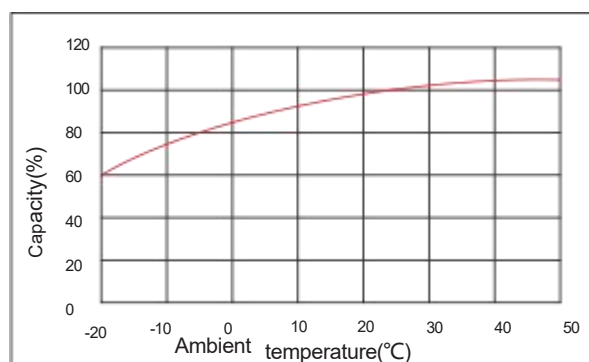
Discharge characteristic



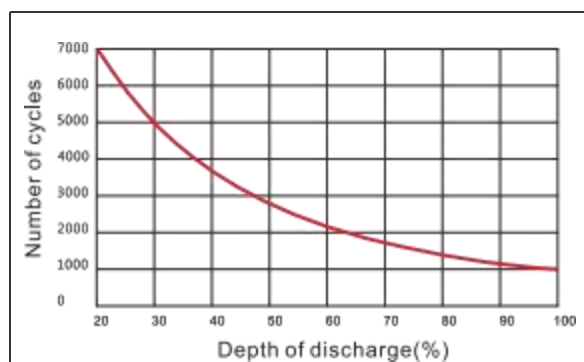
Charging characteristic



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	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	429.0	262.8	198.4	158.1	117.4	93.7	70.5	56.8	48.3	41.1	31.7	26.4	13.8
1.65V	412.1	252.3	190.5	151.9	113.9	91.6	68.3	55.0	47.1	40.5	31.3	26.1	13.6
1.70V	386.0	241.2	182.1	145.6	109.5	87.8	66.5	53.8	45.9	39.6	30.9	25.7	13.5
1.75V	359.2	228.2	174.0	141.0	104.9	84.7	64.5	52.4	44.7	38.6	30.4	25.3	13.4
1.80V	338.3	222.0	167.8	134.9	100.0	82.1	63.8	50.9	43.6	37.5	29.9	25.0	13.2
1.85V	280.7	187.9	146.4	118.6	90.4	72.6	56.0	46.1	39.6	34.2	28.1	23.1	12.7

Constant Power Discharge Characteristics Unit: W/cell (25°C,77°F)

FV/Time	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	753.6	477.4	361.1	289.5	217.4	172.5	133.0	106.4	90.9	78.9	61.9	51.8	27.2
1.65V	731.1	463.1	349.4	281.3	211.9	169.5	131.1	103.9	88.9	78.2	61.3	51.3	26.8
1.70V	695.0	447.1	345.3	273.9	208.9	164.0	125.6	101.5	86.9	76.6	60.5	50.6	26.5
1.75V	656.2	431.7	331.1	268.1	203.1	159.7	124.8	99.2	85.0	74.8	59.8	50.0	26.4
1.80V	620.6	416.8	318.6	257.0	192.6	157.1	121.4	98.2	83.1	73.6	58.9	49.4	26.2
1.85V	517.1	362.5	283.1	229.6	178.9	143.7	109.0	90.3	77.7	67.3	55.4	46.6	24.7