

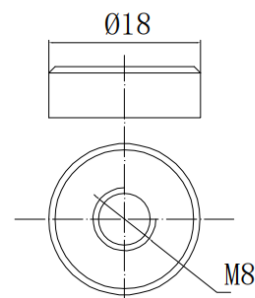
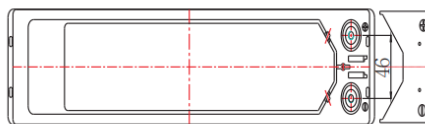
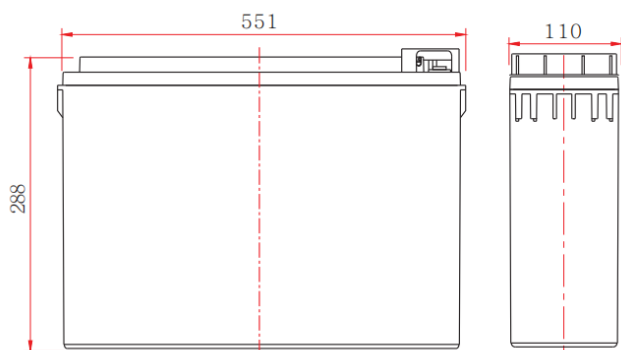
General Features

- Nanosilica colloidal electrolyte and high tin positive plate alloy design to enhance battery performance
- Relatively rich electrolyte, high temperature and low temperature performance is superior
- Long cycle life, excellent deep cycle discharge ability
- Excellent charge acceptance ability
- Precision sealing technology
- Long life



Dimension: 551(L) × 110(W) × 288(H) × 288(TH)/(±2mm)

Unit: mm



Terminal Dimensions

Specification

Nominal Voltage	12V
Nominal Capacity	150Ah@10hour-rate to 1.80V per cell @25°C
Design life	15 years
Terminal	M8
Approx. Weight	Approx 44.5 ± 3%kg (98.1 ± 3%lbs)
Container Material	ABS(UL94-HB, UL94-V0 Optional)
short-circuit current	2222A
Internal resistance(Full charged at 25°C:)	5.4 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. 37.5A; Recom. 15.0A
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
- Telecom outdoor integration site
- Emergency lighting, Auto control system
- Solar/wind generating storage cyclic
- Other general purpose

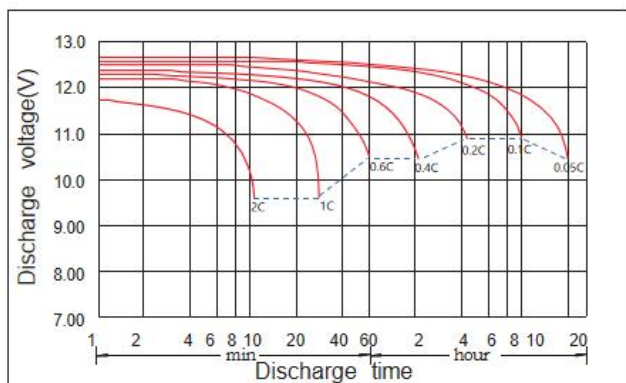
Rated Capacity

10Hour Rate (15.0A to 10.8V)	150.0Ah
3Hour Rate (39.9A to 10.2V)	119.7Ah
1Hour Rate (94.9A to 9.6V)	94.9Ah

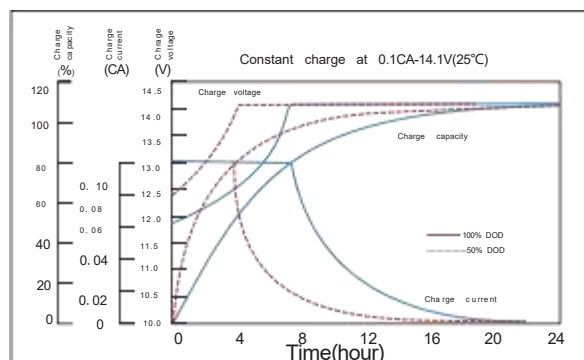
Attain Certificate



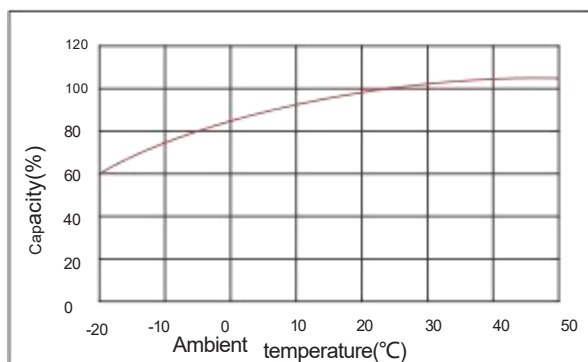
Discharge characteristic



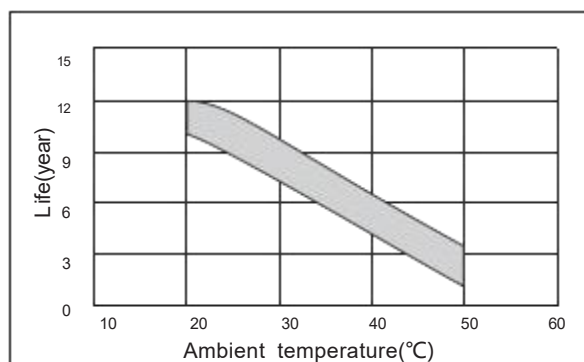
Charging characteristic



The effect of temperature on capacity



The effect of temperature on float 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	256.4	156.9	119.0	94.9	70.5	56.2	42.3	34.1	29.0	24.7	19.0	15.8	8.28
1.65V	246.3	150.7	114.3	91.2	68.4	55.0	41.0	33.0	28.3	24.3	18.8	15.6	8.15
1.70V	230.7	144.0	109.2	87.3	65.7	52.7	39.9	32.3	27.5	23.8	18.5	15.4	8.07
1.75V	214.7	136.3	104.4	84.6	63.0	50.8	38.7	31.4	26.8	23.2	18.3	15.2	8.03
1.80V	202.2	132.6	100.7	80.9	60.0	49.2	38.3	30.5	26.1	22.5	17.9	15.0	7.95
1.85V	167.8	112.2	87.9	71.2	54.2	43.6	33.6	27.7	23.8	20.5	16.8	13.8	7.62

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	450.3	285.1	216.6	173.7	130.5	103.5	79.8	63.8	54.5	47.3	37.1	31.1	16.3
1.65V	436.9	276.5	209.7	168.8	127.2	101.7	78.6	62.3	53.3	46.9	36.8	30.8	16.1
1.70V	415.3	267.0	207.2	164.3	125.3	98.4	75.3	60.9	52.1	45.9	36.3	30.3	15.9
1.75V	392.1	257.8	198.6	160.8	121.9	95.8	74.9	59.5	51.0	44.9	35.9	30.0	15.8
1.80V	370.9	248.9	191.1	154.2	115.6	94.3	72.8	58.9	49.9	44.1	35.4	29.6	15.7
1.85V	309.0	216.5	169.8	137.8	107.3	86.2	65.4	54.2	46.6	40.4	33.3	27.9	14.8