

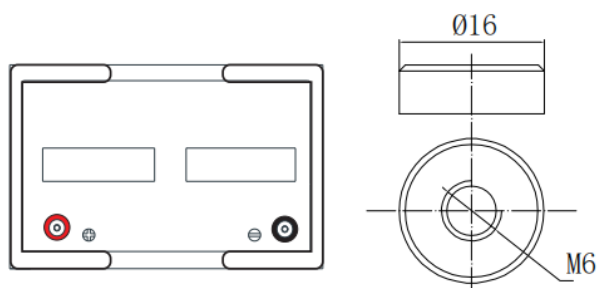
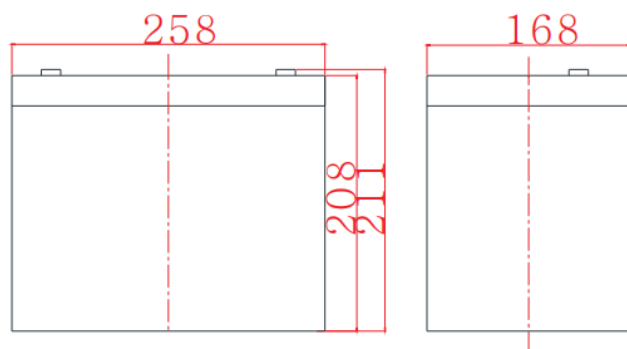
General Features

- 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:258(L)×168(W) ×208(H)×211(TH)/(±3)

Unit: mm



Terminal Dimensions

Specification

Nominal Voltage	12V
Nominal Capacity	70Ah@10hour-rate to 1.80V per cell @25°C
Design life	10 years
Terminal	M6
Approx. Weight	Approx21.8kg±3% (48.1l±3%bs)
Container Material	ABS (UL94-HB, UL94-V0 Optional)
short-circuit current	1818A
Internal resistance(Full charged at 25°C:)	6.6 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. 17.5A;Recom.7.0A
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

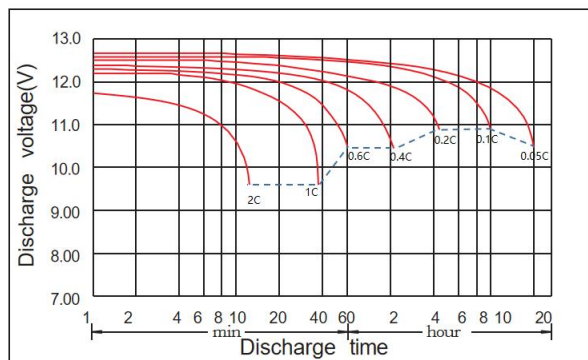
Rated Capacity

10Hour Rate (7.00A to 10.8V)	70.0Ah
3Hour Rate (18.6A to 10.2V)	55.8Ah
1Hour Rate (44.0A to 9.6V)	44.0Ah

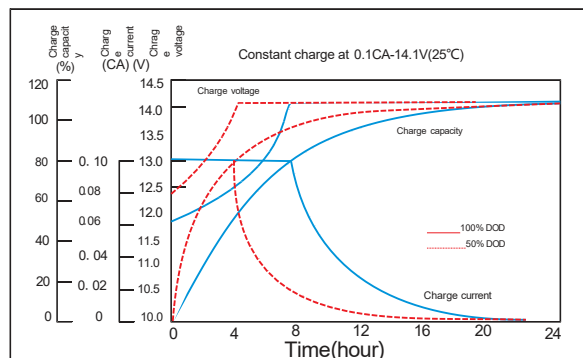
Attain Certificate

  	RoHS
    	

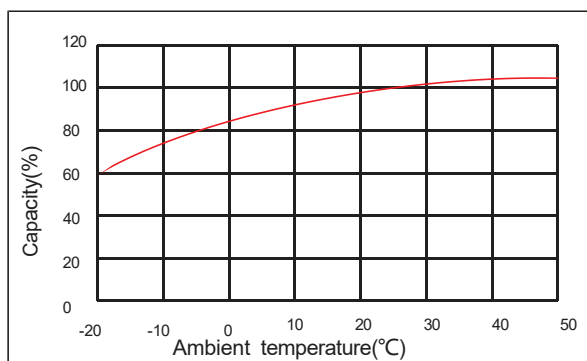
Discharge characteristic



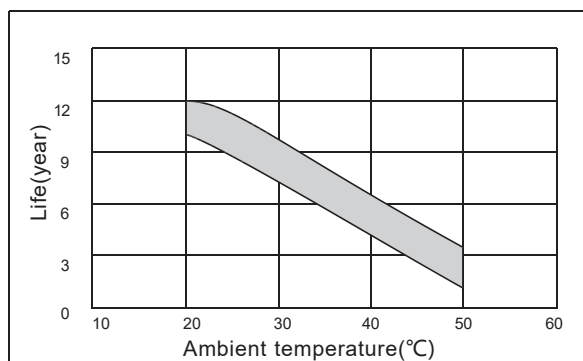
Charging characteristic



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	126.6	75.5	55.6	44.0	32.9	26.2	19.7	15.9	13.5	11.5	8.88	7.38	3.86
1.65V	121.6	72.5	53.3	42.3	31.9	25.7	19.1	15.4	13.2	11.3	8.78	7.29	3.80
1.70V	113.9	69.3	51.0	40.6	30.6	24.6	18.6	15.1	12.8	11.1	8.64	7.18	3.77
1.75V	106.0	65.6	48.7	39.3	29.4	23.7	18.1	14.7	12.5	10.8	8.52	7.09	3.75
1.80V	99.8	63.8	47.0	37.6	28.0	23.0	17.9	14.2	12.2	10.5	8.38	7.00	3.71
1.85V	82.8	54.0	41.0	33.0	25.3	20.3	15.7	12.9	11.1	9.58	7.86	6.46	3.56

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	222.4	137.1	101.1	80.7	60.9	48.3	37.3	29.8	25.5	22.1	17.3	14.5	7.61
1.65V	215.7	133.0	97.8	78.4	59.3	47.5	36.7	29.1	24.9	21.9	17.2	14.4	7.50
1.70V	205.1	128.4	96.7	76.3	58.5	45.9	35.2	28.4	24.3	21.4	16.9	14.2	7.41
1.75V	193.6	124.0	92.7	74.7	56.9	44.7	34.9	27.8	23.8	21.0	16.7	14.0	7.39
1.80V	183.1	119.7	89.2	71.6	53.9	44.0	34.0	27.5	23.3	20.6	16.5	13.8	7.34
1.85V	152.6	104.2	79.3	64.0	50.1	40.2	30.5	25.3	21.8	18.8	15.5	13.0	6.91