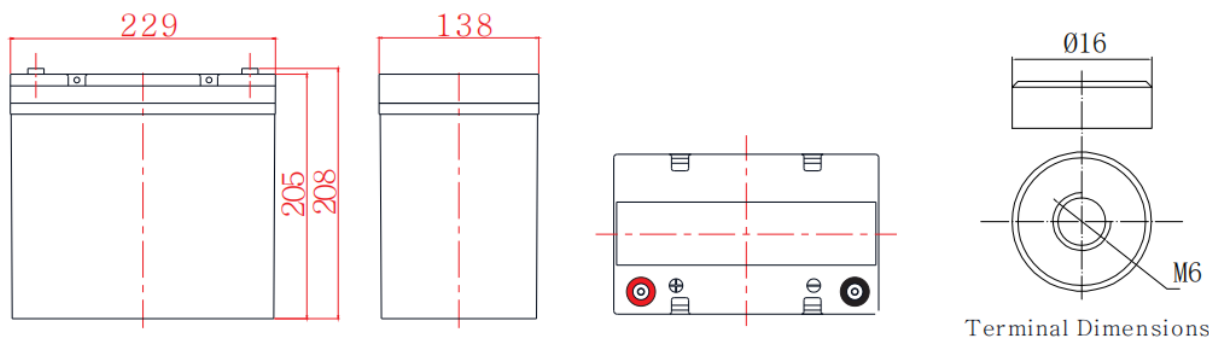


General Features

- 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: 229(L)×138(W) ×205(H)×208(TH)/(±3)
Unit: mm


Specification

Nominal Voltage	12V
Nominal Capacity	55Ah@10hour-rate to 1.80V per cell @25°C
Design life	10 years
Terminal	M6
Approx. Weight	Approx 16.5kg±3% (36.4±3%lbs)
Container Material	ABS (UL94-HB, UL94-V0 Optional)
short-circuit current	1212A
Internal resistance(Full charged at 25°C:)	9.9 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. 13.8A; Recom. 5.5A
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: IEC 60896-21/22,
 GB/T 19638.1-2014

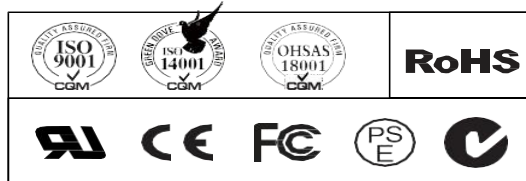
Applications

- UPS/EPS
- Power systems
- Telecommunications system
- Emergency lighting, Auto control system
- Solar/wind generating storage cyclic
- Other general purpose

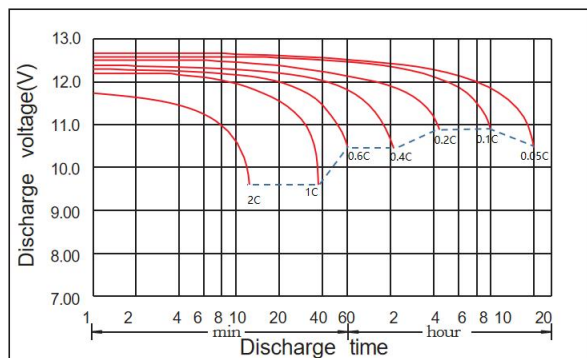
Rated Capacity

10Hour Rate (5.50A to 10.8V)	55.0Ah
3Hour Rate (14.6A to 10.2V)	43.8Ah
1Hour Rate (34.8A to 9.6V)	34.8Ah

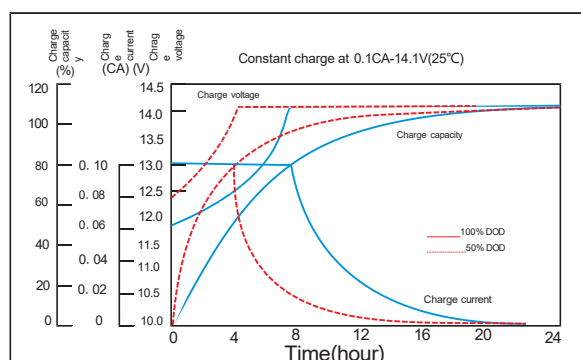
Attain Certificate



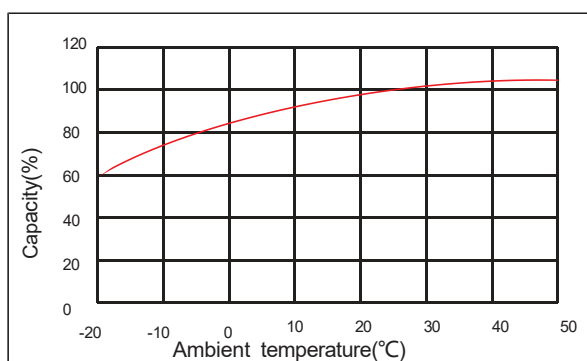
Discharge characteristic



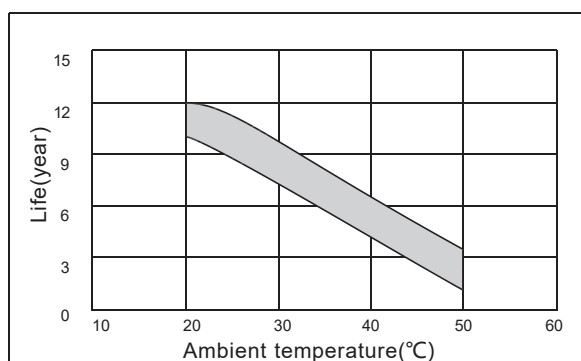
Charging characteristic



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	99.5	59.3	43.6	34.8	25.8	20.6	15.5	12.5	10.6	9.04	6.97	5.80	3.04
1.65V	95.5	57.0	41.9	33.4	25.1	20.2	15.0	12.1	10.4	8.91	6.90	5.73	2.99
1.70V	89.5	54.4	40.1	32.0	24.1	19.3	14.6	11.8	10.1	8.72	6.79	5.65	2.96
1.75V	83.3	51.5	38.3	31.0	23.1	18.6	14.2	11.5	9.84	8.50	6.69	5.57	2.94
1.80V	78.4	50.1	36.9	29.7	22.0	18.1	14.0	11.2	9.58	8.25	6.58	5.50	2.91
1.85V	65.1	42.4	32.2	26.1	19.9	16.0	12.3	10.2	8.72	7.52	6.18	5.07	2.79

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	174.7	107.8	79.4	63.7	47.8	37.9	29.3	23.4	20.0	17.4	13.6	11.4	5.98
1.65V	169.5	104.5	76.9	61.9	46.6	37.3	28.8	22.9	19.6	17.2	13.5	11.3	5.89
1.70V	161.1	100.9	76.0	60.3	46.0	36.1	27.6	22.3	19.1	16.8	13.3	11.1	5.83
1.75V	152.1	97.5	72.8	59.0	44.7	35.1	27.5	21.8	18.7	16.5	13.2	11.0	5.80
1.80V	143.9	94.1	70.1	56.5	42.4	34.6	26.7	21.6	18.3	16.2	13.0	10.9	5.77
1.85V	119.9	81.8	62.3	50.5	39.4	31.6	24.0	19.9	17.1	14.8	12.2	10.2	5.43