

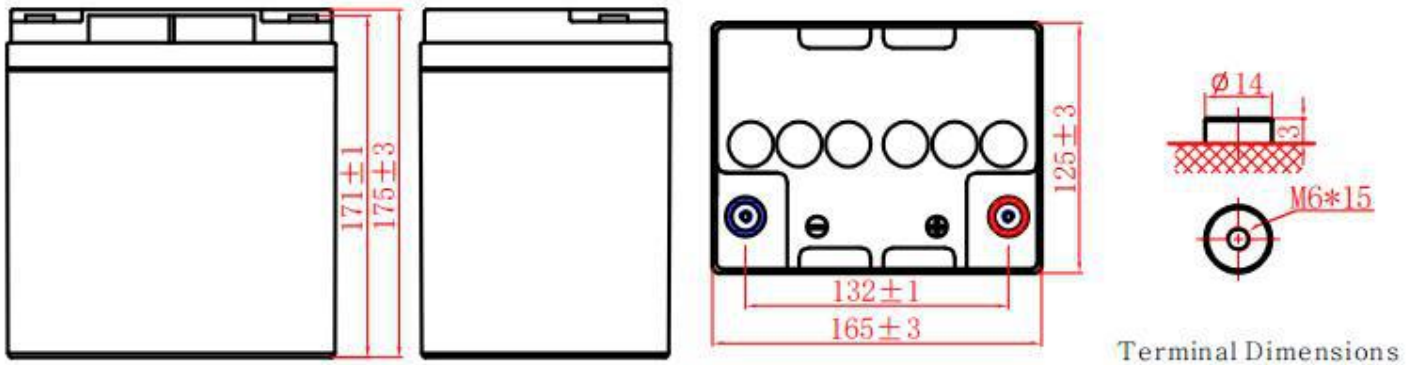
General Features

- ▶ 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



Dimension: 165(L) × 125(W) × 175(H) × 175(TH)

Unit: mm



Specification	
Nominal Voltage	12V
Nominal Capacity	24.0Ah
Design life	5 years
Terminal	M6
Approx. Weight	Approx 7.30kg (16.1lbs)
Container Material	ABS
short-circuit current	571A
Internal resistance(Full charged at 25°C:)	21.0 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. 6.00A; Recom. 2.40A
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 GB/T 19639.1-2014

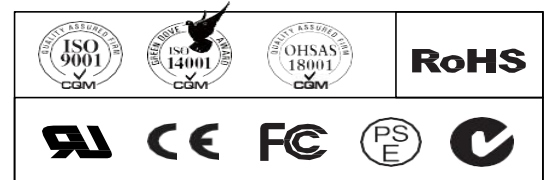
Applications

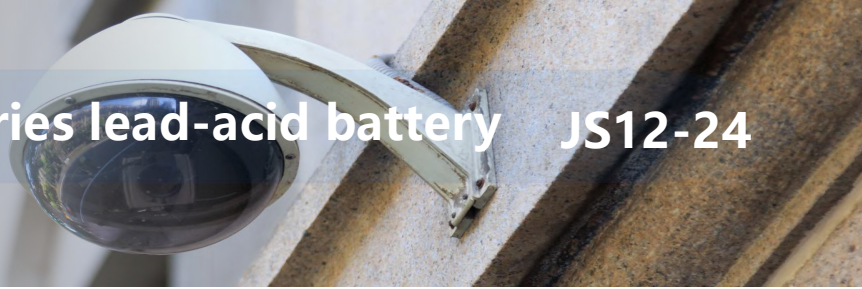
- ▶ UPS/EPS
- ▶ Power systems
- ▶ Telecommunications system
- ▶ Emergency lighting, Auto control system
- ▶ Solar/wind generating storage cyclic
- ▶ Other general purpose

Rated Capacity

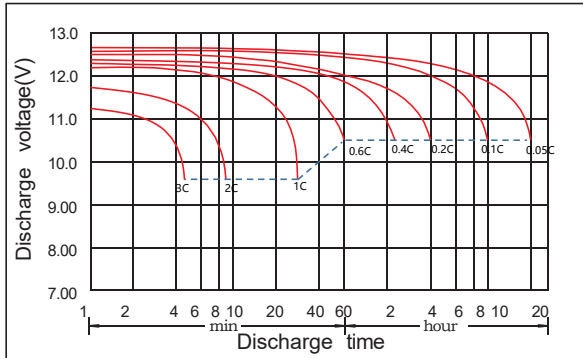
20Hour Rate (1.20A to 10.5V)	24.0Ah
3Hour Rate (6.00A to 10.2V)	18.0Ah
1Hour Rate (15.0A to 9.6V)	15.0Ah

Attain Certificate

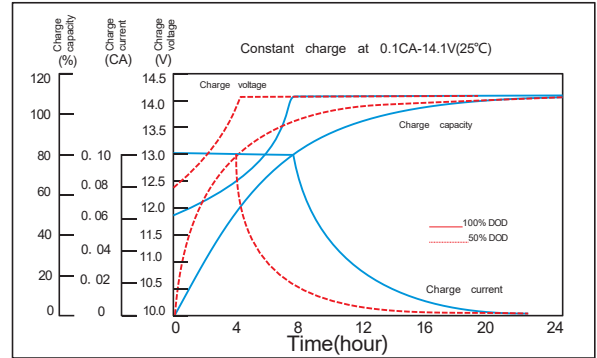




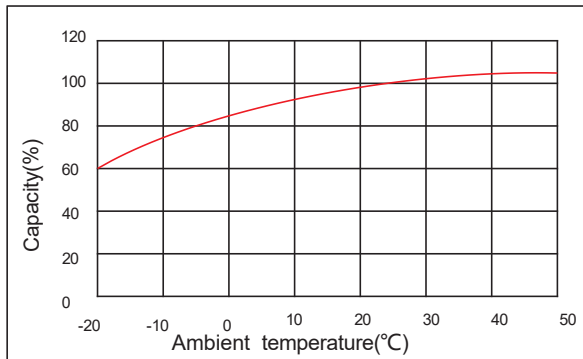
Discharge characteristic



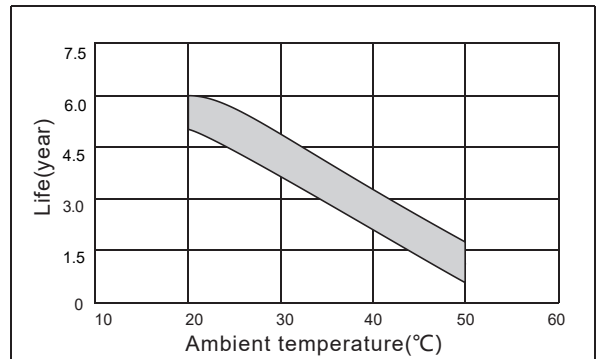
Charging characteristic



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	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	78.6	61.0	42.1	24.0	18.4	15.0	9.44	8.63	6.15	4.53	4.19	3.35	2.75	2.32	1.22
1.65V	76.1	59.3	40.9	23.5	18.3	14.9	9.35	8.58	6.10	4.48	4.17	3.31	2.73	2.30	1.21
1.70V	73.1	56.5	40.2	23.1	18.2	14.8	9.26	8.50	6.00	4.44	4.12	3.28	2.70	2.28	1.20
1.75V	67.2	54.0	38.7	22.9	17.9	14.6	9.17	8.38	5.93	4.39	4.07	3.25	2.68	2.25	1.20
1.80V	60.2	51.1	36.2	21.9	17.5	14.2	9.07	8.23	5.90	4.35	3.97	3.22	2.68	2.23	1.20
1.85V	53.8	45.6	32.2	20.0	16.2	13.2	8.80	7.81	5.56	4.22	3.77	3.12	2.55	2.16	1.17

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	132	110	74.4	43.4	34.2	28.5	18.0	16.3	11.7	8.81	7.96	6.55	5.36	4.46	2.41
1.65V	127	106	73.1	42.9	33.9	28.3	17.8	16.2	11.6	8.72	7.91	6.47	5.31	4.41	2.40
1.70V	126	102	72.1	42.9	33.6	28.0	17.6	16.2	11.5	8.62	7.86	6.40	5.28	4.36	2.39
1.75V	118	97.4	71.9	42.7	33.3	27.8	17.5	16.1	11.4	8.57	7.81	6.36	5.26	4.34	2.38
1.80V	108	92.0	67.9	41.5	33.0	27.5	17.3	16.0	11.4	8.47	7.71	6.29	5.21	4.29	2.37
1.85V	96.4	82.1	60.7	38.1	30.6	25.5	17.0	15.3	10.8	8.32	7.36	6.18	5.03	4.21	2.34