



GY Series lead-acid battery GY6-EVF-24

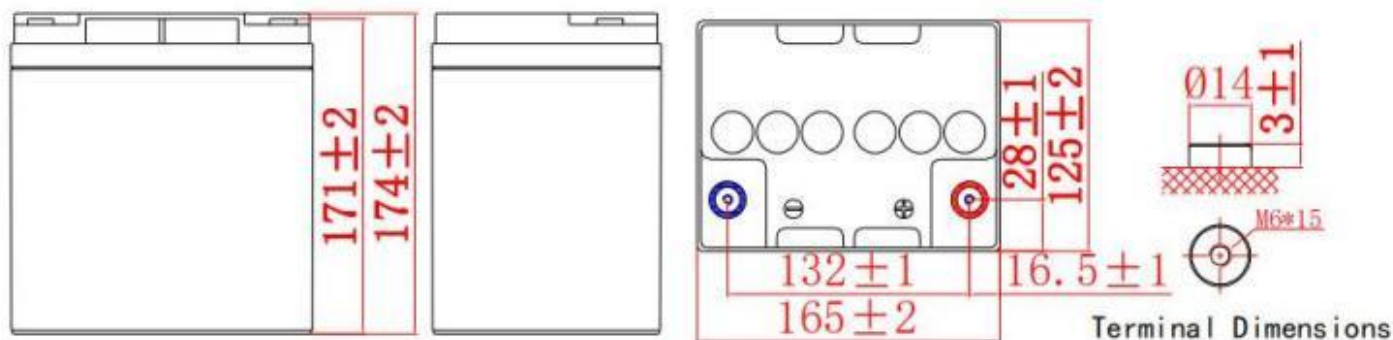


General Features

- ▶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:165(L)×125(W) ×175(H)×175(TH)/(±3) Unit: mm



Specification

Nominal Voltage	12V
Nominal Capacity	24Ah@20Hour-rate to 1.75V per cell @25℃
Design life	10 years
Terminal	M6
Approx. Weight	Approx. 8.8kg ± 3% (19.4lbs ± 3%)
Container Material	ABS
short-circuit current	1090A
Internal resistance(Full charged at 25℃:)	11.0 mΩ
Self discharge	3% of capacity declined per month at 25℃

Operating Temperature

Discharge:	-20 ~50℃(-4~ 122°F)
Charge :	-20 ~50℃(-4~ 122°F)
Storage:	-20 ~50℃(-4~ 122°F)

Charge Method(25 °C)

Charge current:	Max. 6.0A;Recom.2.4A
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 32620.1-2016

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 (5.71A to 10.2V)	17.13Ah
1Hour Rate (13.3A to 9.6V)	13.3Ah

Attain Certificate

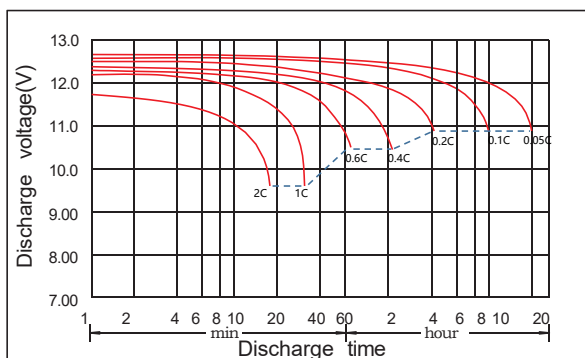
ISO 9001 CGM	ISO 14001 CGM	OHSAS 18001 CGM	RoHS
UL	CE	FC	PS E

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.

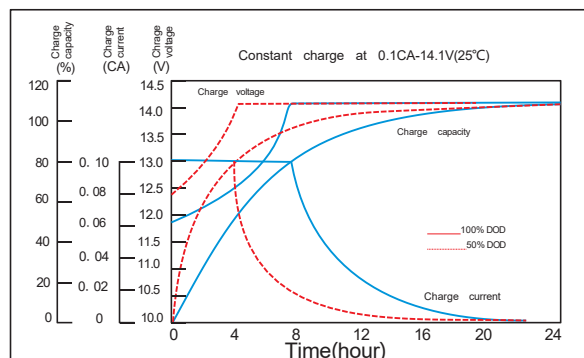


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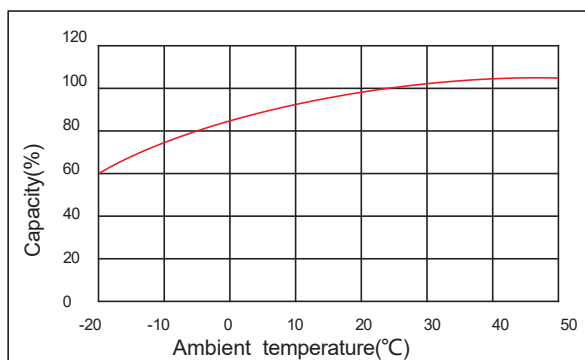
Discharge characteristic



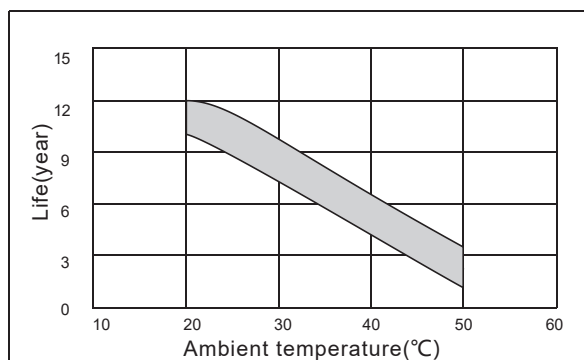
Charging characteristic



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	57.0	46.1	30.9	19.7	16.3	13.3	9.67	8.46	5.94	4.64	4.04	3.43	2.66	2.38	1.30
1.65V	56.0	45.3	30.3	19.3	16.0	13.0	9.48	8.29	5.83	4.55	3.97	3.36	2.61	2.33	1.27
1.70V	54.9	44.5	29.7	19.0	15.7	12.8	9.32	8.17	5.71	4.47	3.89	3.30	2.57	2.29	1.25
1.75V	53.9	43.7	29.2	18.6	15.4	12.6	9.13	8.00	5.62	4.38	3.82	3.24	2.51	2.25	1.20
1.80V	51.8	42.0	28.1	17.9	14.8	12.1	8.78	7.71	5.40	4.21	3.67	3.11	2.42	2.16	1.14
1.85V	49.4	39.4	26.5	16.6	13.9	11.3	8.18	7.26	5.15	3.92	3.51	2.90	2.30	2.01	1.06

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	110	79.9	59.4	37.9	30.7	25.6	19.3	16.3	11.4	9.14	7.77	6.70	5.12	4.57	2.54
1.65V	108	78.4	58.3	37.3	30.2	25.1	19.0	16.0	11.3	8.98	7.66	6.59	5.03	4.49	2.50
1.70V	106	76.8	57.3	36.6	29.6	24.6	18.6	15.7	11.0	8.81	7.49	6.46	4.94	4.41	2.45
1.75V	104	75.4	56.2	35.9	29.0	24.2	18.3	15.4	10.8	8.65	7.37	6.34	4.85	4.33	2.40
1.80V	99.8	72.6	54.0	34.5	27.9	23.3	17.6	14.8	10.4	8.32	7.09	6.10	4.66	4.16	2.31
1.85V	94.6	68.6	51.2	33.4	26.4	22.0	16.7	14.2	9.77	7.92	6.69	5.81	4.42	3.96	2.20