京九电源
KIJO BATTERY

GY6-EVF-24

GY Series lead-acid battery

Applications

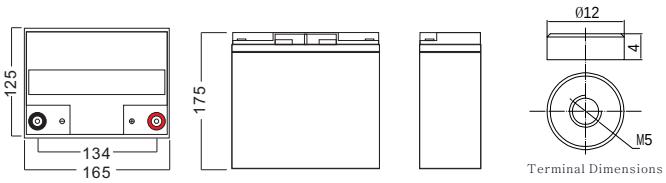
- UPS/EPS
- Power systems
- Telecommunications system
- Emergency lighting、Auto control system
- Solar/wind generating storage cyclic
- Other general purpose

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

ISO 9001 CQM · ISO 14001 CQM · OHSAS 18001 CQM · RoHS

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



Terminal Dimensions

Specification

Nominal Voltage	12V
Nominal Capacity	24Ah
Design life	10 years
Terminal	M5
Approx. Weight	Approx 8.8kg (19.40lbs)
Container Material	ABS
Rated Capacity	24.0Ah 20Hour Rate (1.20A to 10.5V) 17.1Ah 3Hour Rate (5.71A to 10.2V) 13.3Ah 1Hour Rate (13.3A to 9.6V)
Internal resistance	Full charged at 25°C: 11.0 mΩ
Max. Discharge Current	288A(5S)
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 voltage(-3mV/ °C) :13.5-13.8V, recom.13.8V(Full floating system) Equalize charge:13.8-14.1V,recom.14.1V(-4mV/ °C) Cycle charge:14.4-15.0V,recom.14.7V(-6mV/ °C)
Self discharge	3% of capacity declined per month at 25°C

Constant Current Discharge Characteristics Unit: A (25℃, 77℉)

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℃, 77℉)

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

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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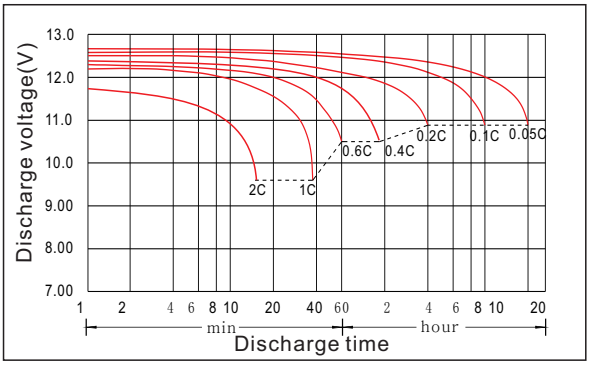
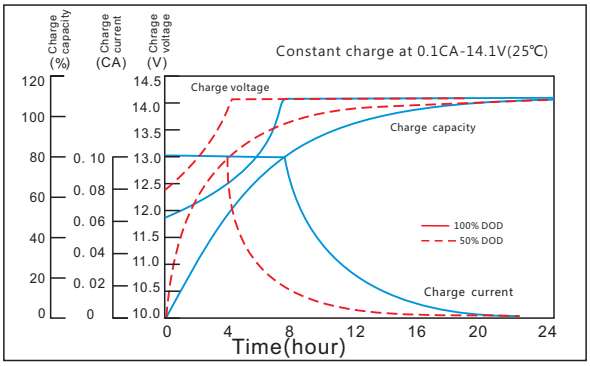
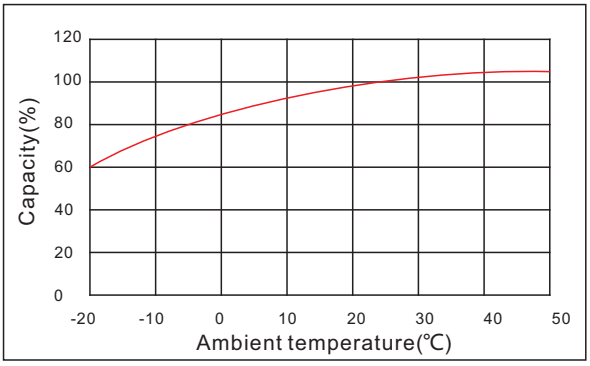
Discharge characteristic



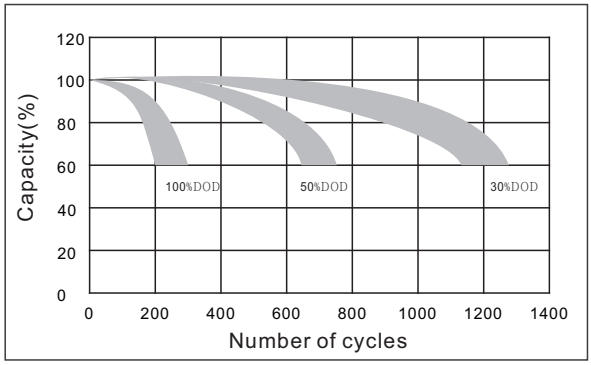
Charging characteristic



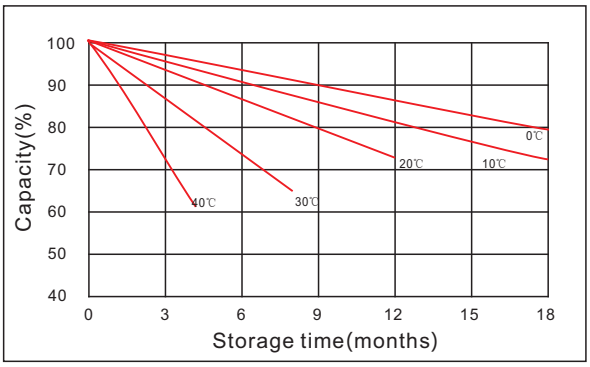
The effect of temperature on capacity



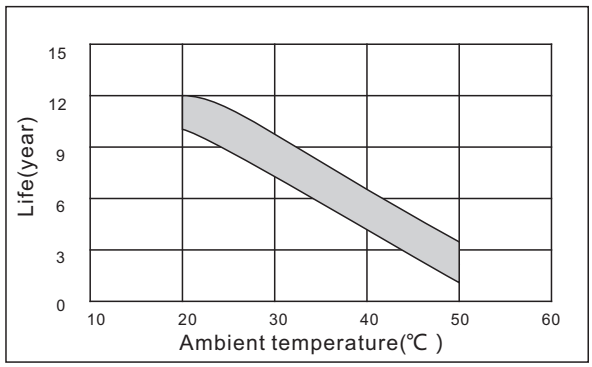
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



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