京九电源
KIJO BATTERY

GY6-EVF-135

GY Series lead-acid battery

Executive standard GB/T 32620.1-2016

Applications

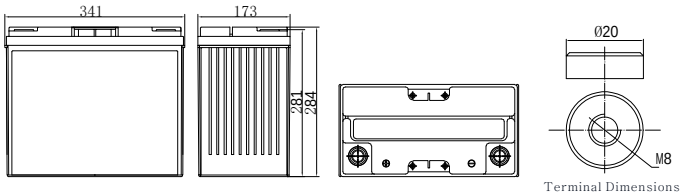
- UPS/EPS
- Power systems
- Telecommunications system
- Emergency lighting、Auto control system
- Solar/wind generating storage cyclic
- Other general purpose

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

RoHS

Dimension:341(L)×173(W) ×281(H)×284(TH) Unit: mm



Terminal Dimensions

Specification

Nominal Voltage	12V
Nominal Capacity	135Ah
Design life	10 years
Terminal	M8
Approx. Weight	Approx 44.0kg (97.0lbs)
Container Material	ABS
Rated Capacity	135.0Ah 20Hour Rate (6.75A to 10.5V) 107.7Ah 3Hour Rate (35.9A to 10.2V) 83.3Ah 1Hour Rate (83.3A to 9.6V)
Internal resistance	Full charged at 25°C: 4.3 mΩ
Max. Discharge Current	1620A(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. 33.75A ; Recom.13.5A 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	306	284	224	135	105	83.3	56.0	51.4	36.9	26.7	24.8	19.8	16.3	13.7	7.05
1.65V	301	275	213	133	103	82.6	55.3	50.7	36.5	26.4	24.6	19.6	16.1	13.6	6.95
1.70V	289	273	210	130	102	82.0	54.7	50.0	35.9	26.2	24.3	19.4	16.0	13.4	6.85
1.75V	266	262	208	129	101	81.0	54.3	49.4	35.6	26.0	24.0	19.2	15.9	13.3	6.75
1.80V	238	243	190	124	97.5	78.7	53.7	48.4	35.2	25.7	23.3	19.0	15.7	13.2	6.65
1.85V	212	226	172	113	89.6	73.1	52.0	46.1	33.3	25.0	22.2	18.4	15.1	12.8	6.49

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	520	496	403	243	194	159	109	99.6	71.5	51.8	48.0	38.5	31.7	26.7	13.8
1.65V	512	481	383	239	191	158	107	98.4	70.9	51.3	47.7	38.2	31.5	26.5	13.6
1.70V	491	477	379	235	189	157	106	97.0	69.6	50.8	47.1	37.6	31.3	26.2	13.4
1.75V	452	459	375	233	188	155	105	95.7	69.0	50.3	46.6	37.3	31.0	26.0	13.2
1.80V	404	426	343	223	180	150	104	93.9	68.3	49.9	45.3	36.8	30.7	25.7	13.0
1.85V	363	399	312	204	167	140	101	89.9	64.8	48.7	43.3	36.0	29.6	25.1	12.8

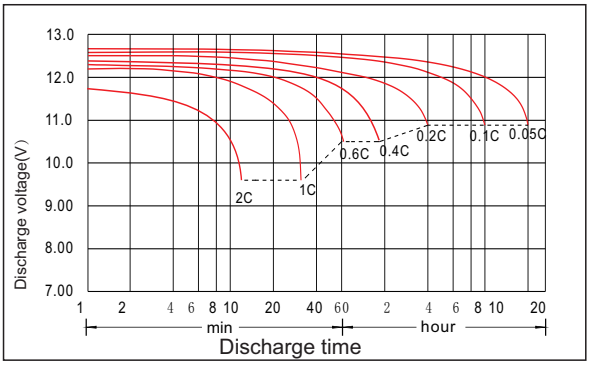
Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

京九电源
KIJO BATTERY

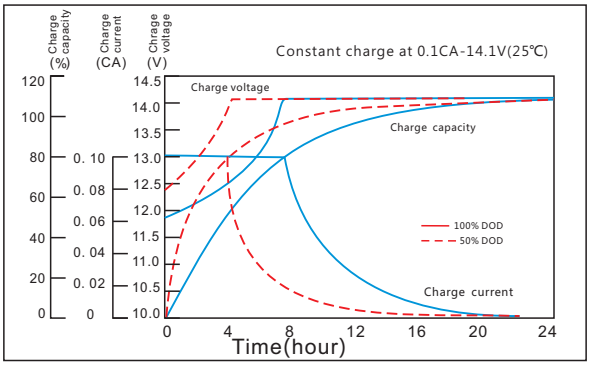
GY Series lead-acid battery

GY6-EVF-135

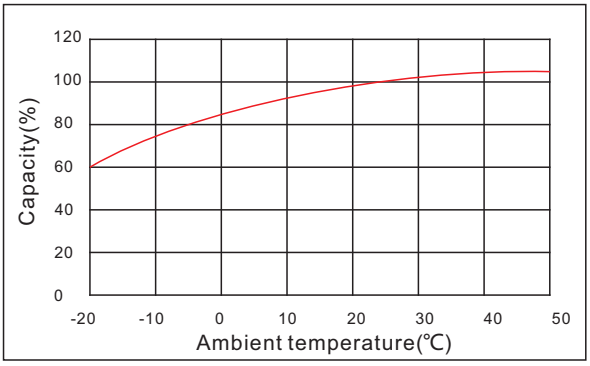
Discharge characteristic



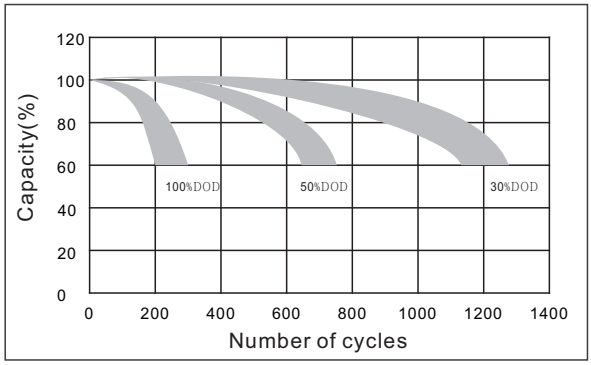
Charging characteristic



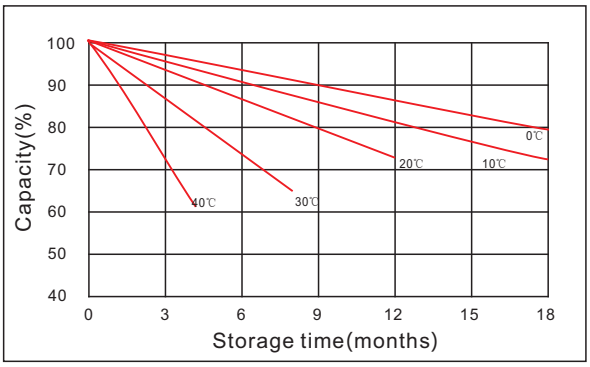
The effect of temperature on capacity



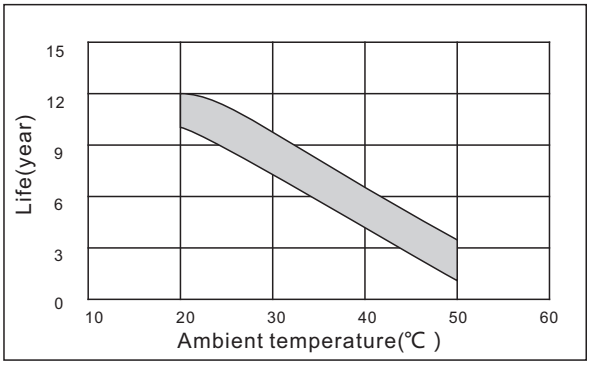
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life



www.kijo.com.cn info@kijo.com.cn +86-791-85982779 +86-791-85989842

Jiangxi Jingjiu Power Science&Technology Co. Ltd.
Add:1388 Fushan No.1 Street, Xiaolan Economic Development Zone,Nanchang City,Jiangxi Province,China.

Jiangxi Jingjiu Power (Jiujiang) Co. Ltd.
Add: Xiwang Rd, Aicheng Industrial Park, Yongxiu Country, jiujiang City, Jiangxi Province, China.