



GY Series lead-acid battery

GY3-EVF-380A

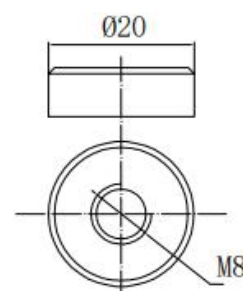
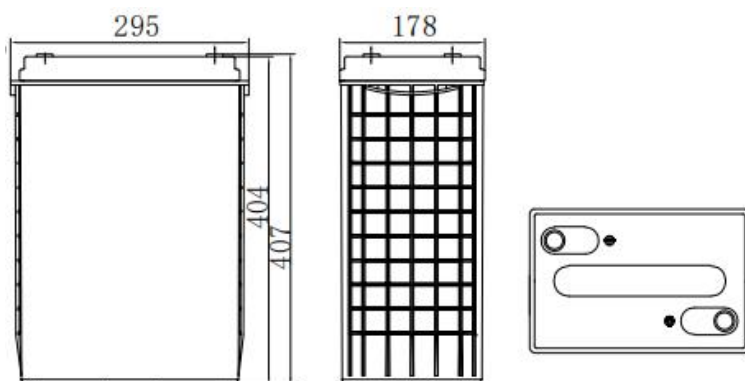


General Features

- ▶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:295(L)×178(W) ×404(H)×407(TH)/(±3) **Unit:** mm



Terminal Dimensions

Specification

Nominal Voltage	6V
Nominal Capacity	380Ah@20Hour-rate to 1.75V per cell @25℃
Design life	10 years
Terminal	M8
Approx. Weight	Approx. 55.0kg ± 3%(121.3lbs ± 3%)
Container Material	ABS(UL94-HB, UL94-V0 optional)
short-circuit current	3333A
Internal resistance(Full charged at 25℃:)	1.8 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. 76.0A;Recom.38.0A
Float charge:6.75-6.90V	recom.6.90V(-9mV/ °C)
Equalize charge:6.90-7.05V	recom.7.05V(-12mV/ °C)
Cycle charge:7.20-7.50V	recom.7.20V(-15mV/ °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 (19.0A to 5.25V)	380.0Ah
3Hour Rate (101A to 5.10V)	303.0Ah
1Hour Rate (234A to 4.80V)	234.0Ah

Attain Certificate

			RoHS
			

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.

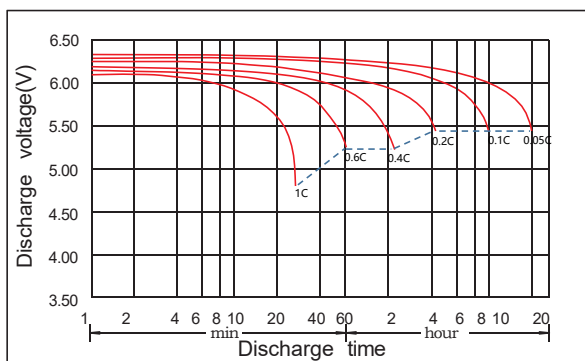


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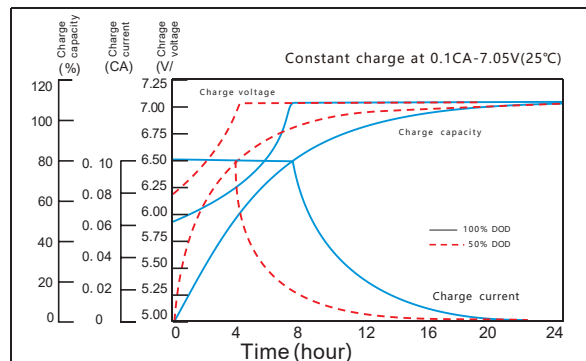
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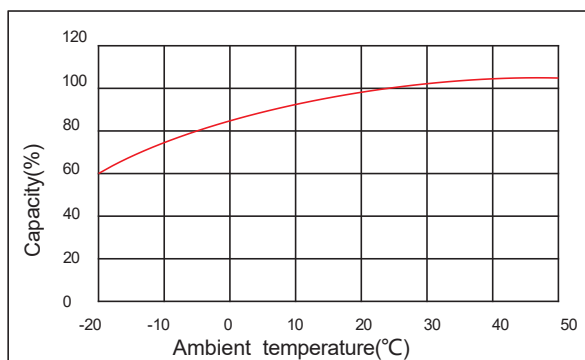
Discharge characteristic



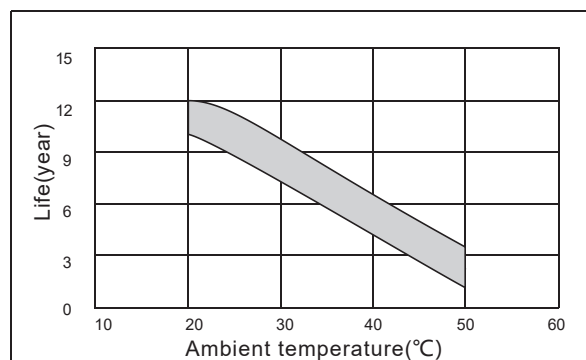
Charging characteristic



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	15min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	306	234	158	145	104	75.2	69.7	55.8	45.8	38.6	19.8
1.65V	301	233	156	143	103	74.4	69.1	55.1	45.4	38.3	19.6
1.70V	289	231	154	141	101	73.7	68.4	54.6	45	37.8	19.3
1.75V	266	228	153	139	100	73.1	67.7	54.1	44.7	37.5	19
1.80V	238	222	151	136	99.2	72.4	65.7	53.4	44.3	37.1	18.7
1.85V	212	206	146	130	93.6	70.3	62.5	51.9	42.5	36.1	18.3

Constant Power Discharge Characteristics Unit: W/cell (25°C ,77°F)

FV/Time	15min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	520	446	306	280	201	146	135	109	89.1	75.2	38.9
1.65V	512	444	302	277	200	144	134	108	88.6	74.6	38.3
1.70V	491	441	298	273	196	143	133	106	88	73.7	37.8
1.75V	452	435	297	269	194	142	131	105	87.3	73.2	37.2
1.80V	404	423	293	264	192	140	127	104	86.4	72.3	36.7
1.85V	363	395	286	253	183	137	122	101	83.3	70.7	36