



GY Series lead-acid battery GY6-EVF-95G

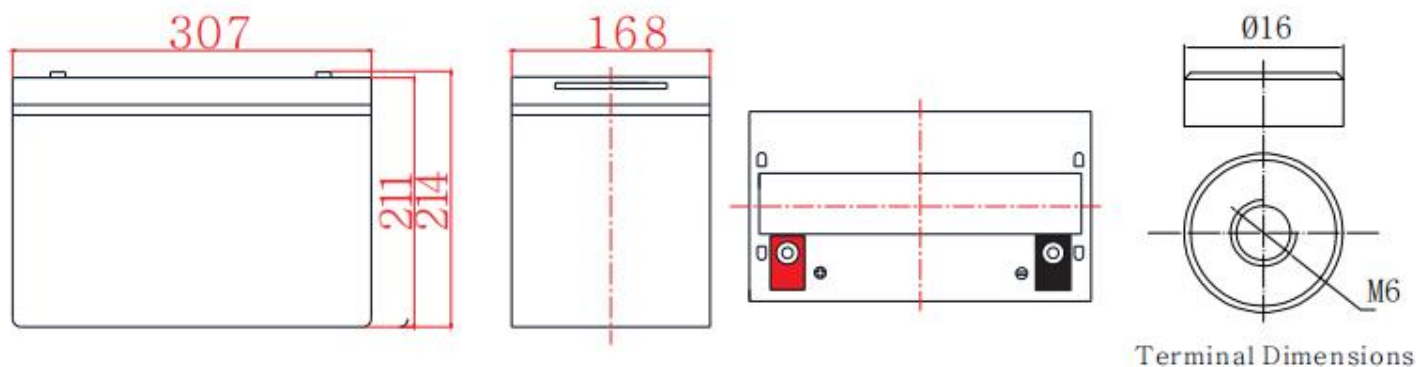


General Features

- 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:307(L)×168(W) ×211(H)×214(TH)/(±3) Unit: mm



Specification	
Nominal Voltage	12V
Nominal Capacity	95Ah@20Hour-rate to 1.75V per cell @25℃
Design life	10 years
Terminal	M6/M8
Approx. Weight	Approx. 31.0kg ± 3% (68.3lbs ± 3%)
Container Material	ABS
short-circuit current	2666A
Internal resistance(Full charged at 25℃:)	4.5 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. 23.75A;Recom.9.5A
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 (4.75A to 10.5V)	95.0Ah
3Hour Rate (22.6A to 10.2V)	67.8Ah
1Hour Rate (52.5A to 9.6V)	52.5Ah

Attain Certificate

			RoHS

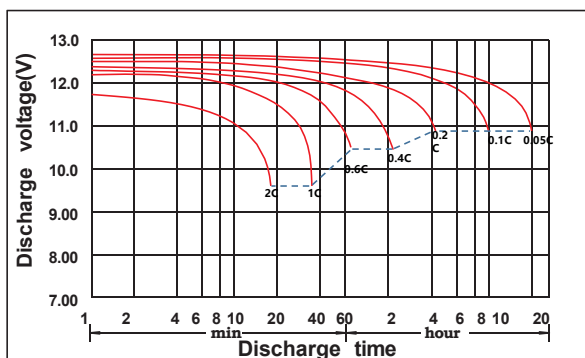
Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.



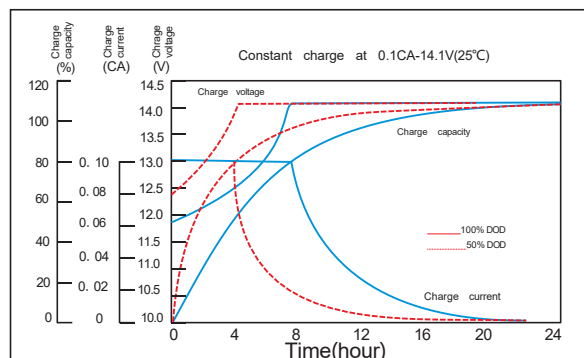
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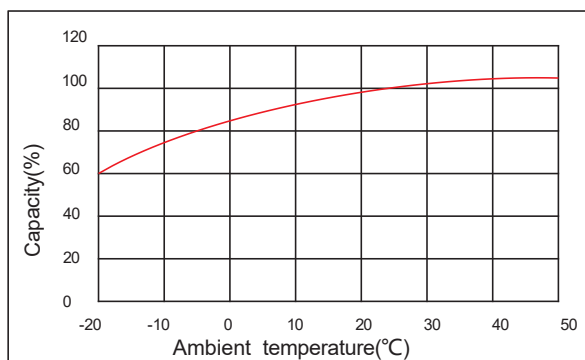
Discharge characteristic



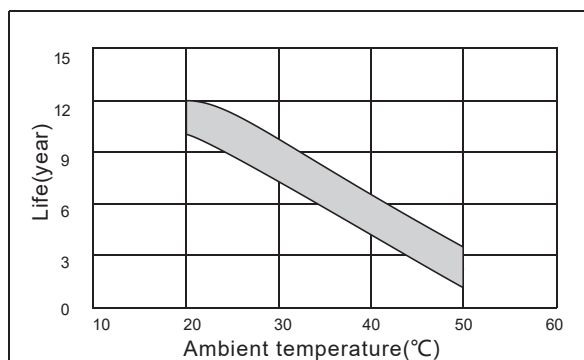
Charging characteristic



The effect of temperature on capacity



The effect of temperature on float life



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

FV/Time	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	122	78	64.4	52.5	38.3	33.5	23.5	18.3	16.0	13.6	10.5	9.4	5.13
1.65V	120	76.5	63.3	51.6	37.5	32.8	23.1	18	15.7	13.3	10.3	9.2	5.04
1.70V	118	75.1	62.2	50.7	36.9	32.3	22.6	17.7	15.4	13.1	10.2	9.1	4.93
1.75V	116	73.7	61	49.8	36.1	31.7	22.2	17.3	15.1	12.8	10.0	8.9	4.75
1.80V	111	70.8	58.5	47.7	34.8	30.5	21.4	16.7	14.5	12.3	9.6	8.6	4.52
1.85V	105	65.8	54.9	44.8	32.4	28.7	20.4	15.5	13.9	11.5	9.1	8.0	4.18

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

FV/Time	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	235	150	122	101	76.4	64.5	45.2	36.2	30.8	26.5	20.3	18.1	10.10
1.65V	231	147	119	99.5	75	63.3	44.6	35.6	30.3	26.1	19.9	17.8	9.88
1.70V	227	145	117	97.5	73.6	62.2	43.7	34.9	29.6	25.6	19.5	17.4	9.68
1.75V	222	142	115	95.7	72.3	60.8	42.7	34.2	29.2	25.1	19.2	17.1	9.50
1.80V	214	136	110	92.1	69.5	58.6	41.2	32.9	28.0	24.2	18.4	16.5	9.14
1.85V	203	132	104	87.1	66.1	56.1	38.7	31.3	26.5	23.0	17.5	15.7	8.71