

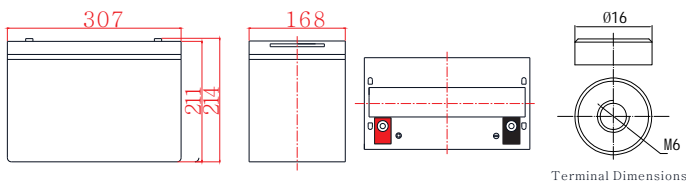


### General Features

- › 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) Unit: mm



### Applications

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

### Specification

Nominal Voltage	12V
Nominal Capacity	95Ah
Design life	10 years
Terminal	M6
Approx. Weight	Approx 31.0kg (68.34lbs)
Container Material	ABS
Rated Capacity	95.0Ah → 20Hour Rate (4.75A to 10.5V)
	67.8Ah → 3Hour Rate (22.6A to 10.2V)
	52.5Ah → 1Hour Rate (52.5A to 9.6V)
Internal resistance	Full charged at 25°C: 4.5 mΩ
Max. Discharge Current	1140A(5S)
Operating Temperature	Discharge: -20 ~50°C (-4 ~ 122°F)
	Charge: -20 ~50°C (-4 ~ 122°F)
	Storage: -20 ~50°C (-4 ~ 122°F)
Charge current:	Max. 23.75A ; Recom. 9.5A
Charge Method (25 °C)	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°C, 77°F)

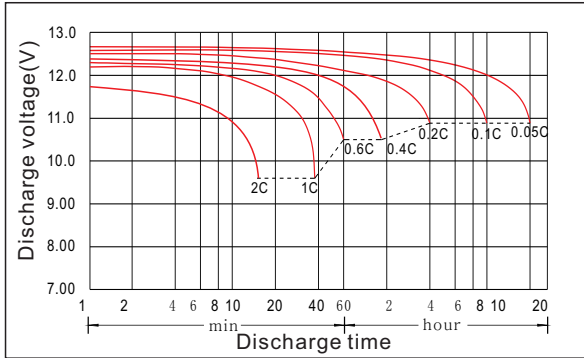
FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	226	183	122	78.0	64.4	52.5	38.3	33.5	23.5	18.3	16.0	13.6	10.5	9.41	5.13
1.65V	222	179	120	76.5	63.3	51.6	37.5	32.8	23.1	18.0	15.7	13.3	10.3	9.23	5.04
1.70V	217	176	118	75.1	62.2	50.7	36.9	32.3	22.6	17.7	15.4	13.1	10.2	9.07	4.93
1.75V	213	173	116	73.7	61.0	49.8	36.1	31.7	22.2	17.3	15.1	12.8	10.0	8.87	4.75
1.80V	205	166	111	70.8	58.5	47.7	34.8	30.5	21.4	16.7	14.5	12.3	9.57	8.55	4.52
1.85V	196	156	105	65.8	54.9	44.8	32.4	28.7	20.4	15.5	13.9	11.5	9.09	7.96	4.18

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

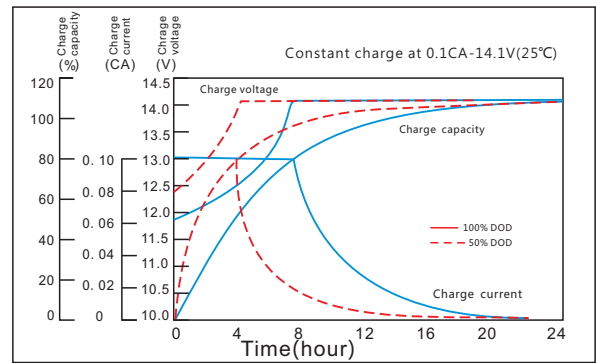
FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	435	316	235	150	122	101	76.4	64.5	45.2	36.2	30.8	26.5	20.3	18.1	10.1
1.65V	427	311	231	147	119	99.5	75.0	63.3	44.6	35.6	30.3	26.1	19.9	17.8	9.88
1.70V	419	304	227	145	117	97.5	73.6	62.2	43.7	34.9	29.6	25.6	19.5	17.4	9.68
1.75V	411	299	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	395	287	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	374	272	203	132	104	87.1	66.1	56.1	38.7	31.3	26.5	23.0	17.5	15.7	8.71

# GY6-EVF-95

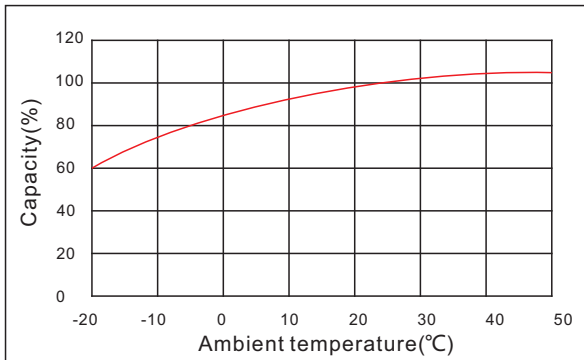
**Discharge characteristic**



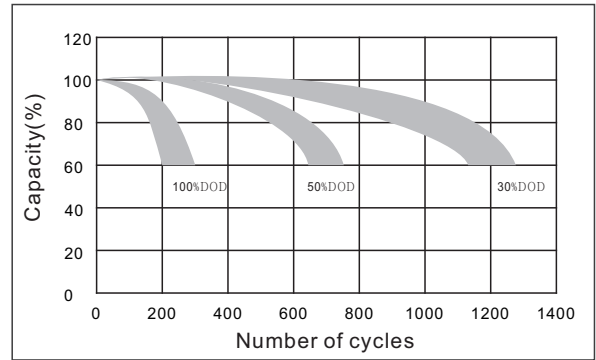
**Charging characteristic**



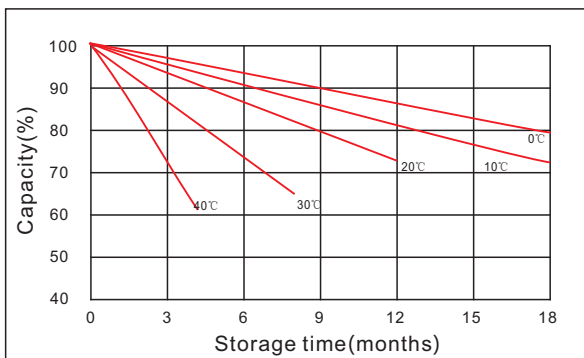
**The effect of temperature on capacity**



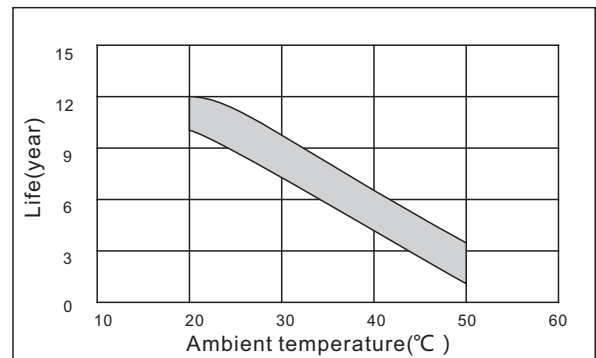
**The effect of discharge depth on cycle life**



**Curves of self-discharge**



**The effect of temperature on float life**



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