

6GFMJ-100

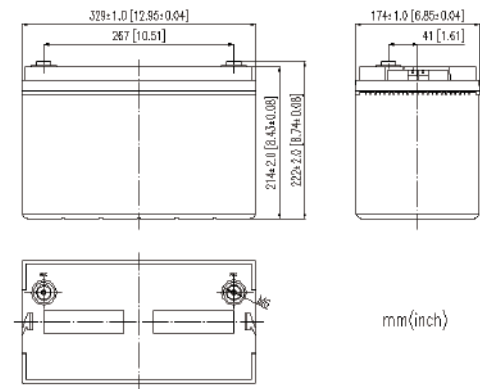


ReneSola GEL Battery (12V100Ah)

Features

- GEL Technology
- AGM Separators
- Excellent Cycling Ability
- High Tin Alloy Grid
- Service Life of 10 years (Float Conditions)
- Ideal for High Cycle Applications
- 2 Year Limited Warranty
- Supplied and Supported by ReneSola™

Dimensions



Specifications

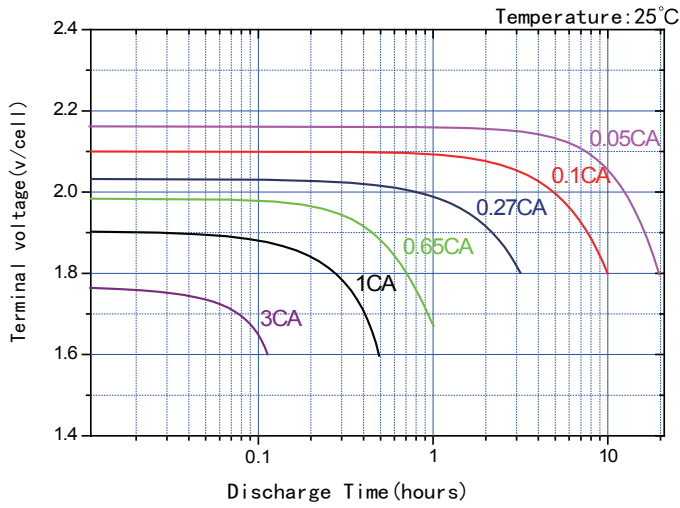
Battery Type	Gel Battery
Nominal Voltage	12V
Rated Capacity	103Ah@C10 and 170Ah@C100 to 10.8vpc, 25°C
Approx Dimensions (length × width × height)	329mm × 174mm × 222mm
Design Life Time	10 years
Approx Weight(kg)	31.0kg
Operating Temperature	-25°C ~ 50°C
Self-discharge	< 0.1% per day
Materials for Battery Containers and Covers	ABS
Terminal Hole Size	M6

charging current and voltage

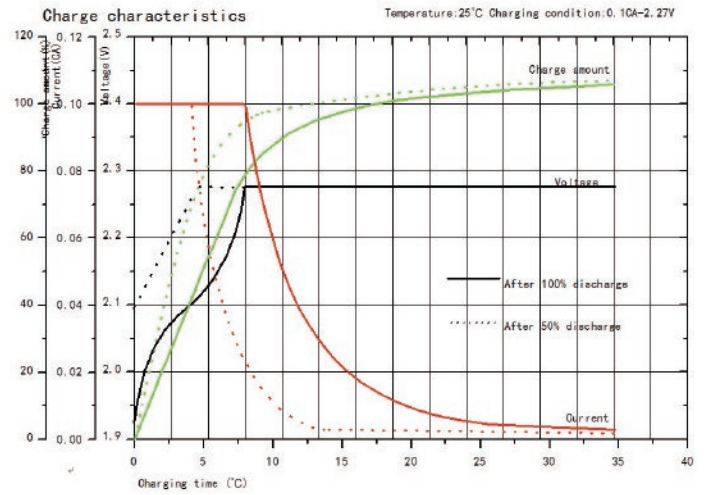
Cycle Use	Charge Current 0.1C ₁₀
	Voltage 14.4±0.18V @ 25°C
	Temperature Coefficient -4mV/°C/2V
Standby Use	Charge Current 0.25C ₁₀
	Voltage 13.65±0.12V @ 25°C
	Temperature Coefficient -3mV/°C/2V



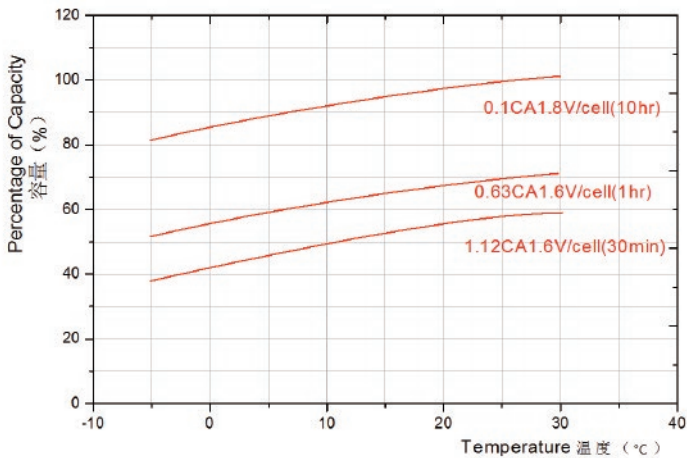
Discharge Characteristics at 25 °C



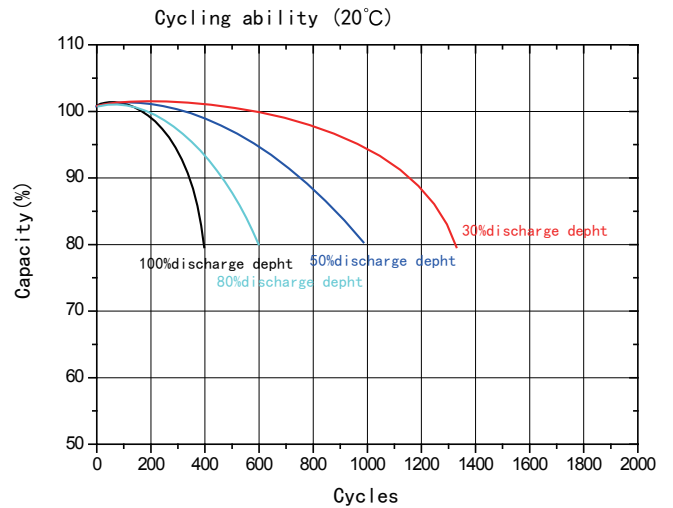
Charging Cycle Characteristics



Temperature Vs.Capacity



Cycle Life Vs Depth Of Discharge



6GFMJ100 Constant Current (Amps @ 25°C)

End Volts	15min	30min	1h	3h	5h	10h	12h	20h	24h	100h	120h
1.60	166.0	107.0	69.0	26.4	17.8	10.4	9.0	6.1	5.3	1.8	1.5
1.65	156.7	104.6	67.4	26.1	17.7	10.4	9.0	6.1	5.3	1.7	1.5
1.70	147.3	102.1	65.8	25.8	17.6	10.3	9.0	6.1	5.3	1.7	1.5
1.75	138.0	99.7	64.3	25.5	17.5	10.3	9.0	6.0	5.2	1.7	1.5
1.80	128.7	97.3	62.7	25.1	17.4	10.3	8.9	6.0	5.2	1.7	1.5

6GFMJ100 Constant Power (Watts per 2V Cell @ 25°C)

End Volts	15min	30min	1h	3h	5h	10h	12h	20h	24h	100h	120h
1.60	300.4	202.2	131.1	50.7	34.9	20.6	18.0	12.1	10.5	3.5	3.0
1.65	283.6	197.6	128.1	50.1	34.7	20.5	17.9	12.1	10.5	3.5	3.0
1.70	266.7	193.0	125.1	49.5	34.5	20.5	17.9	12.0	10.5	3.5	3.0
1.75	249.8	188.4	122.1	48.9	34.3	20.4	17.8	12.0	10.4	3.5	3.0
1.80	232.9	183.8	119.1	48.3	34.2	20.4	17.8	12.0	10.4	3.5	3.0

6GFMJ-200

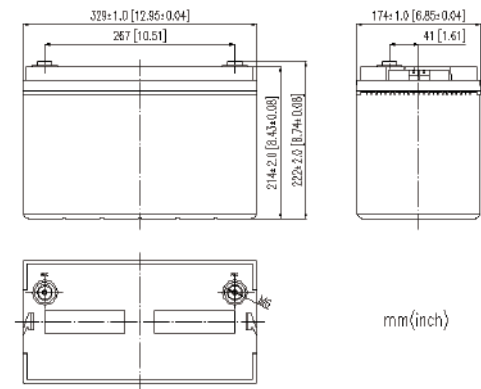


ReneSola GEL Battery (12V200Ah)

Features

- GEL Technology
- AGM Separators
- Excellent Cycling Ability
- High Tin Alloy Grid
- Service Life of 10 years (Float Conditions)
- Ideal for High Cycle Applications
- 2 Year Limited Warranty
- Supplied and Supported by ReneSola™

Dimensions



Specifications

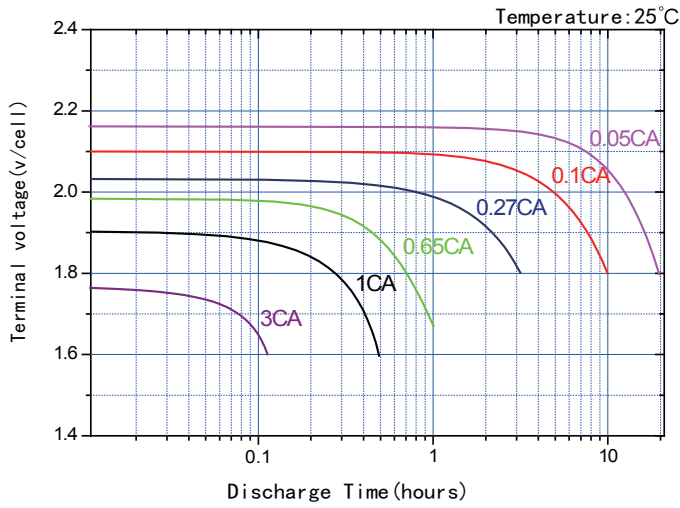
Battery Type	Gel Battery
Nominal Voltage	12V
Rated Capacity	200Ah@C10 and 350Ah@C100 to 10.8vpc, 25°C
Approx Dimensions (length × width × height)	520mm × 240mm × 230mm
Design Life Time	10 years
Approx Weight(kg)	61.5kg
Operating Temperature	-25°C ~ 50°C
Self-discharge	<0.1% per day
Materials for Battery Containers and Covers	ABS
Terminal Hole Size	M8

Charging Current and Voltage

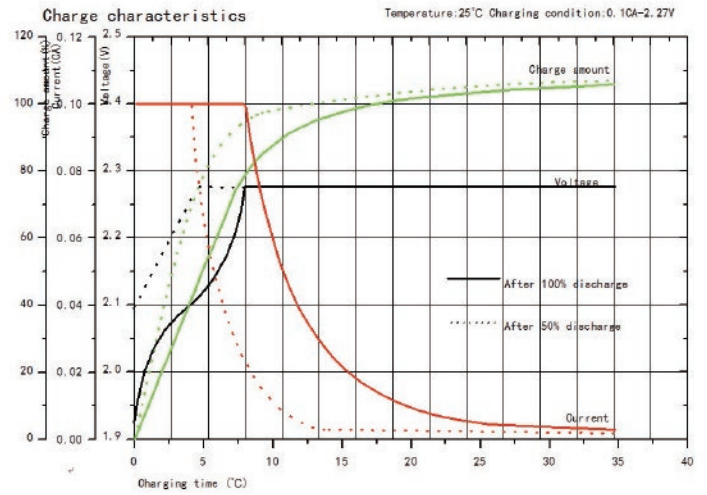
Cycle Use	Charge Current 0.1C ₁₀
	Voltage 14.4±0.18V @ 25°C
	Temperature Coefficient -4mV/°C/2V
Standby Use	Charge Current 0.25C ₁₀
	Voltage 13.65±0.12V @ 25°C
	Temperature Coefficient -3mV/°C/2V



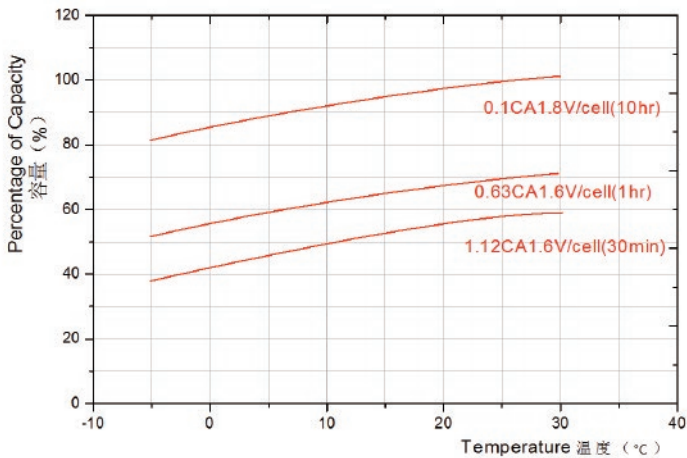
Discharge Characteristics at 25 °C



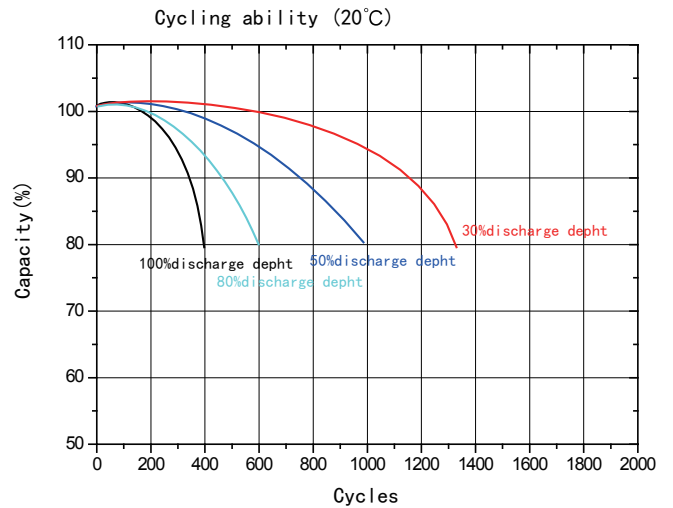
Charging Cycle Characteristics



Temperature Vs. Capacity



Cycle Life Vs Depth Of Discharge



Constant Current (Amps at 25°C)

End Volts	15min	30min	1h	3h	5h	10h	12h	20h	24h	100h	120h
1.60	311.0	205.0	135.1	50.5	34.2	20.2	17.6	11.9	10.4	3.5	3.0
1.65	293.5	200.3	132.1	49.9	34.1	20.2	17.5	11.9	10.3	3.5	3.0
1.70	276.0	195.7	129.0	49.3	33.9	20.1	17.5	11.9	10.3	3.5	3.0
1.75	258.5	191.0	125.9	48.7	33.7	20.1	17.5	11.8	10.3	3.5	3.0
1.80	241.1	186.4	122.9	48.1	33.6	20.0	17.4	11.8	10.3	3.5	3.0

Constant Power (Watts per 2V Cell at 25°C)

End Volts	15min	30min	1h	3h	5h	10h	12h	20h	24h	100h	120h
1.60	562.8	387.5	256.8	97.0	67.1	40.0	35.0	23.7	20.6	7.0	6.1
1.65	531.2	378.6	250.9	95.8	66.8	39.9	34.9	23.7	20.6	7.0	6.1
1.70	499.6	369.8	245.1	94.7	66.4	39.8	34.8	23.6	20.5	6.9	6.0
1.75	467.9	361.0	239.3	93.5	66.1	39.7	34.7	23.5	20.5	6.9	6.0
1.80	436.3	352.2	233.4	92.3	65.8	39.6	34.6	23.5	20.4	6.9	6.0