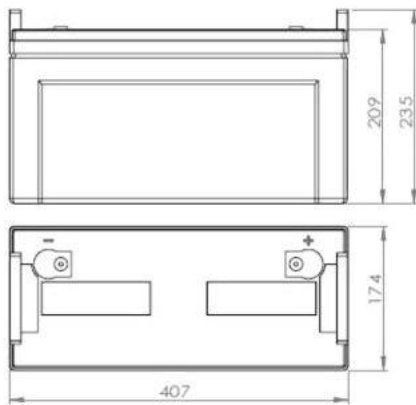


SUNRANGE 12V Gel battery range is commonly used in many applications, especially the emergency power supply of UPS systems. The battery is designed and manufactured to guarantee the highest levels of performance in rapid discharges, while maintaining maximum reliability and durability overtime.

Based on proven GEL VRLA technology, the 12v battery is 99% recyclable at end of life. It does not require any maintenance. In addition the series is classified as non-dangerous goods and can be safely transported by truck, rail and air. The specific design has been optimized to reduce self-discharge during storage.

Technical Parameters



Nominal Voltage	12V
Capacity	100 Ah@10hr to 1.80Vper cell @25° C (77° F)
Weight	29.0kg
Dimensions	Length:407mm Width:174mm Height:235mm
Internal Resistance (full charged)	5.7 mΩ
Short-circuit Current	1755 A
Self Discharge @25° C (77° F)	Less than 4%after 30 days storage
Operating Temperature Range	Discharge:-40°C~50°C (-40° F~122° F) Charge:-20°C~45° C (-4° F~113° F) Storage:-20° C~40° C (-4° F~104° F)
Recommended Operating Temperature	15° C~25° C (59° F~77° F)
Recommended Charging Current	20 A
Charging Voltage @25°C (77° F)	Float:2.23 V/cell Equalize:2.35 V/cell
Terminal	M8
Container Materials	ABS/ABS VO(Optional)
Capacity Affected by Temperature(C10)	103%@40° C (104° F) 85%@0°C32° F) 60%@-20° C (-4° F)
Design Life @25°C (77° F)	12 years

Main Applications

- Telecom site
- Outdoor base station
- Floating operation site
- UPS

Technical Features

- Excellent capacity retention rate
- Long life float service design
- Excellent over discharge recovery

Certification

- ISO 9001
- ISO 14001
- GB/T 28001
- UL
- CE

Benefits

- Easy access for faster installation and maintenance.
- Optimal energy density, save floor space.
- No leakage and no acid smog spray during the operation.

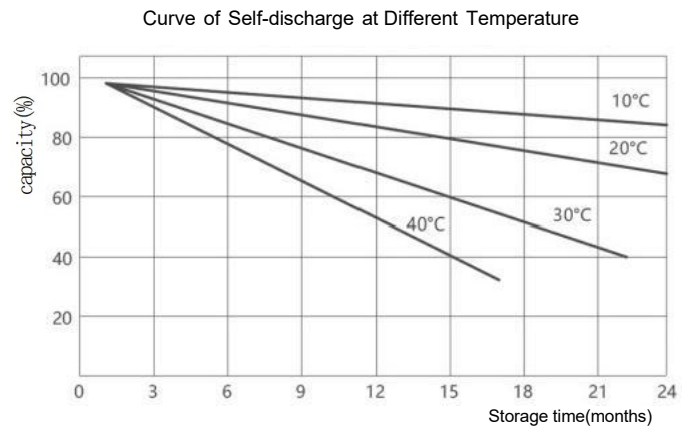
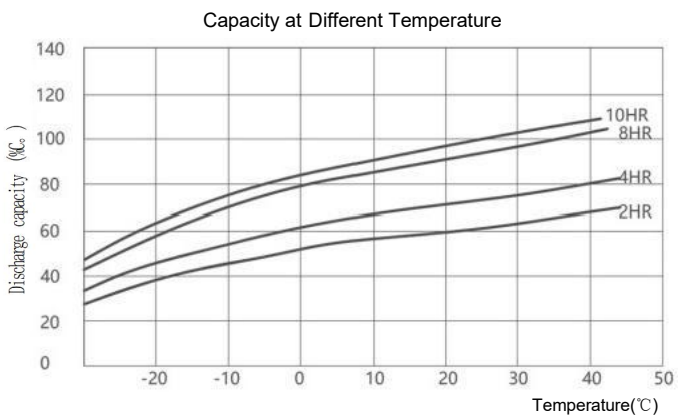
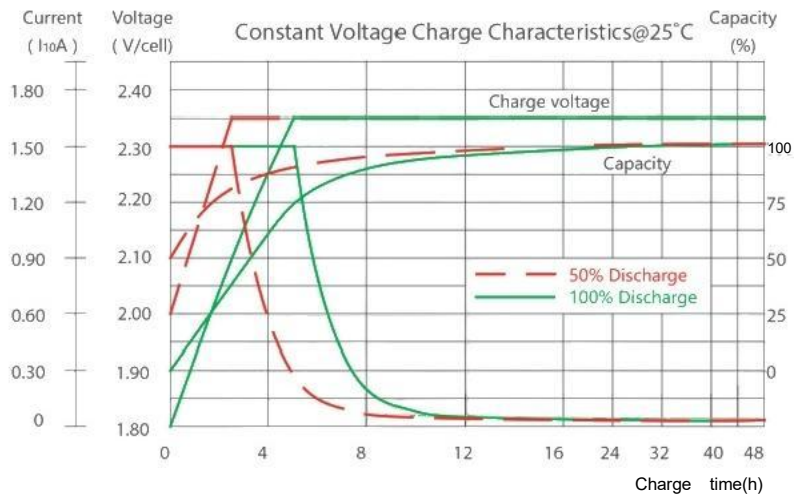
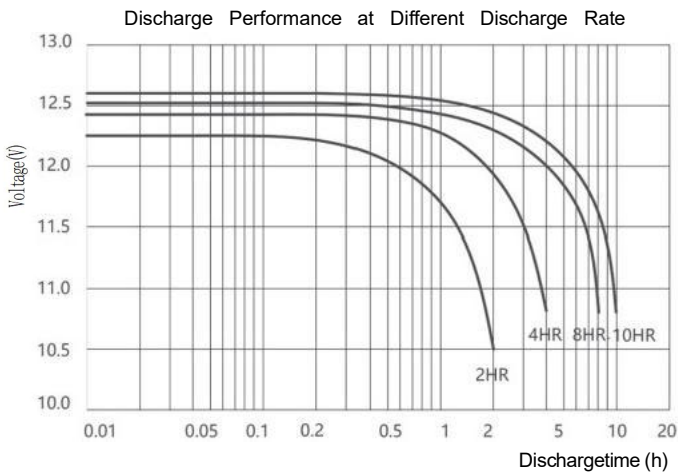
Constant Current Discharge Characteristics Unit:A(25°C, 77° F)

F. V/Time	30min	1hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	12hr
1.70V	100.0	58.9	34.5	25.5	20.4	17.3	15.3	12.3	10.2	8.6
1.75V	94.6	57.0	34.1	25.3	20.2	17.2	15.2	12.2	10.1	8.5
1.80V	90.4	55.9	33.6	25.0	20.0	17.0	15.1	12.1	10.0	8.4
1.83V	87.3	53.7	33.2	24.8	19.8	16.8	15.0	12.0	9.9	8.3
1.85V	84.1	51.9	32.9	24.5	19.6	16.7	14.9	11.9	9.8	8.2

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

F. V/Time	30min	1hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	12hr
1.70V	183.8	109.5	66.2	49.8	39.9	34.4	30.8	24.6	20.4	17.1
1.75V	175.8	107.5	65.6	49.6	39.6	34.2	30.5	24.4	20.2	16.9
1.80V	170.1	106.3	65.3	49.4	39.5	34.0	30.2	24.2	20.1	16.8
1.83V	166.3	102.7	64.7	49.2	39.3	33.9	30.0	24.1	19.9	16.6
1.85V	162.1	100.3	64.3	48.8	39.2	33.8	29.8	24.0	19.8	16.5

Performance Curve



***Declaration:**

This information is generally descriptive only and is not intended to make or imply any representation, guarantee or warranty with respect to any cells and batteries. Cell and battery designs/specifications are subject to modification without notice.