

# GEL SERIES

## SNG022000 (2V 2000AH)



### Specifications

Nominal Voltage	2V
Nominal Capacity(10hr)	2000AH
Dimension	Length 491±2mm(19.33inch)
	Width 351±2mm(13.81inch)
	Height 343±2mm(13.47inch)
	Total Height 383±2mm(15.07inch)
Approx Weight	Approx. 110kg(244.4lbs)
Terminal Type	T11
container Material	ABS(UL-94HB)
Internal Resistance	Approx. 0.28m
Rated Capacity	2100AH/105A (20hr, 1.80V/cell,25 /77 )
	2000AH/200A (10hr, 1.80V/cell,25 /77 )
	1740AH/348A (5hr, 1.75V/cell,25 /77 )
	1540AH/513.3A (3hr, 1.75V/cell,25 /77 )
	1240AH/1240A (1hr, 1.60V/cell,25 /77 )
Max. Discharge Current	16000A(5S)
Nominal Operating Temp. Range	25±3 (77±5 )
Cycle Use	Charge Current Less Than 0.25CA
	2.35V~2.45V@25 (77 )Temp. Coefficient -5mV/
Floating Use	No limit on Initial Charging Current Voltage
	2.25V~2.3V@25 (77 )Temp. Coefficient -3mV/
	40°C 103%
Capacity affected by Temperature	25°C 100%
	0°C 86%
	-15°C 65%
	3 month Remaining capacity: 91%
Self-discharge	6 month Remaining capacity: 82%
	12month Remaining capacity: 65%



### Constant Power Discharge at 25 (77 )

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	4289.8	3818.3	3390.3	3031.5	2561.7	2098.2	1718.7	1159.5	889.5	719.3	617.4	544.7	443.5	379.9	201.7
1.80V/cell	5165.8	4416.1	3811.8	3348.4	2771.9	2239.1	1821.1	1211.9	958.5	739.9	639.4	565.5	463.5	397.2	208.7
1.75V/cell	5909.8	4979.7	4259.8	3675.1	2990.4	2400.6	1950.6	1280.8	970.3	778.2	668.5	590.6	474.2	404.6	211.2
1.70V/cell	6576.6	5502.2	4643	4011.4	3231.4	2554.8	2058.4	1349.5	1011.1	808.8	694.3	610.6	489.1	414.3	215.5
1.65V/cell	\	5829	4902.2	4208.4	3358.3	2631.7	2123.6	1385.7	1038.9	830	710.9	619.8	496.7	420.3	218.9
1.60V/cell	\	6451.8	5419.7	4641.2	3647.8	2831.5	2268	1447.7	1077.8	862.2	741.5	645.1	514.3	433.1	225.2

### Constant Current Discharge at 25 (77 )

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	2333.4	2055.9	1807.2	1599.8	1337	1085.9	886.4	594	454	366	313.3	275.7	223.5	191	101.3
1.80V/cell	2840.1	2406	2059.4	1793.2	1469.1	1167.9	944.2	625	492	378.5	326	287.3	234.3	200	105
1.75V/cell	3319.4	2757	2329.9	1987.1	1598	1264.1	1016.1	663	500	399.5	342	301	240.3	204	106.4
1.70V/cell	3798.7	3116.5	2575.2	2185.2	1736.4	1350.3	1075.6	700	522	416	355.8	311.7	248	209	108.6
1.65V/cell	\	3332	2739.9	2309.8	1819.4	1403.6	1117.7	723	538.7	428.5	365.6	317.3	252.5	212.4	110.4
1.60V/cell	\	3773.4	3079.7	2575.2	1990.1	1518.2	1200	759	561.3	446.5	382.6	331.3	262	219.2	113.8