

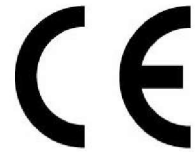
GEL SERIES

SNG021000 (2V 1000AH)



Specifications

Nominal Voltage	2V
Nominal Capacity(10hr)	1000AH
Dimension	Length 475±2mm(18.7inch)
	Width 175±2mm(6.89inch)
	Height 328±2mm(12.91inch)
	Total Height 350±2mm(13.78inch)
Approx Weight	Approx. 57kg(125.7lbs)
Terminal Type	T11
container Material	ABS(UL-94HB)
Internal Resistance	Approx. 0.45m
Rated Capacity	1040AH/52A (20hr, 1.80V/cell,25 /77)
	1000AH/100A (10hr, 1.80V/cell,25 /77)
	870AH/174A (5hr, 1.75V/cell,25 /77)
	770AH/256A (3hr, 1.75V/cell,25 /77)
	620AH/620A (1hr, 1.60V/cell,25 /77)
Max. Discharge Current	8000A(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	2144.9	1909.1	1695.1	1515.8	1280.8	1049.1	859.3	579.7	444.8	359.6	308.7	272.4	221.8	189.9	100.8
1.80V/cell	2582.9	2208.1	1905.9	1674.2	1385.9	1119.5	910.5	605.9	479.3	369.9	319.7	282.7	231.7	198.6	104.4
1.75V/cell	2954.9	2489.9	2129.9	1837.6	1495.2	1200.3	975.3	640.4	485.2	389.1	334.2	295.3	237.1	202.3	105.6
1.70V/cell	3288.3	2751.1	2321.5	2005.7	1615.7	1277.4	1029.2	674.7	505.6	404.4	347.2	305.3	244.5	207.1	107.8
1.65V/cell	\	2914.5	2451.1	2104.2	1679.2	1315.8	1061.8	692.9	519.5	415	355.5	309.9	248.3	210.2	109.4
1.60V/cell	\	3225.9	2709.8	2320.6	1823.9	1415.8	1134	723.9	538.9	431.1	370.8	322.6	257.2	216.5	112.6

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	1166.7	1028	903.6	799.9	668.5	543	443.2	297	227	183	156.7	137.8	111.8	95.5	50.7
1.80V/cell	1420	1203	1029.7	896.6	734.5	583.9	472.1	312.5	246	189.3	163	143.7	117.1	100	52.5
1.75V/cell	1659.7	1378.5	1165	993.6	799	632.1	508	331.5	250	199.8	171	150.5	120.1	102	53.2
1.70V/cell	1899.3	1558.3	1287.6	1092.6	868.2	675.2	537.8	350	261	208	177.9	155.8	124	104.5	54.3
1.65V/cell	\	1666	1369.9	1154.9	909.7	701.8	558.8	361.5	269.3	214.3	182.8	158.7	126.3	106.2	55.2
1.60V/cell	\	1886.7	1539.9	1287.6	995	759.1	600	379.5	280.7	223.3	191.3	165.7	131	109.6	56.9