

# GEL SERIES

## SNG02100 (2V 100AH)



### Specifications

Nominal Voltage	2V
Nominal Capacity(10hr)	100AH
Dimension	Length 170±2mm(6.69inch)
	Width 72±2mm(2.83inch)
	Height 205±2mm(8.07inch)
	Total Height 212±2mm(8.35inch)
Approx Weight	Approx. 5.6kg(12.34lbs)
Terminal Type	T6
container Material	ABS(UL-94HB)
Internal Resistance	Approx.1.4m
Rated Capacity	104AH/5.2A (20hr, 1.80V/cell,25 /77 )
	100AH/10.0A (10hr, 1.80V/cell,25 /77 )
	87AH/17.4A (5hr, 1.75V/cell,25 /77 )
	77AH/25.7A (3hr, 1.75V/cell,25 /77 )
	62AH/62A (1hr, 1.60V/cell,25 /77 )
Max. Discharge Current	800A(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/
Capacity affected by Temperature	40°C 103%
	25°C 100%
	0°C 86%
	-15°C 65%
Self-discharge	3 month Remaining capacity: 91%
	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	214.5	190.9	169.5	151.6	128.1	104.9	85.9	58	44.5	36	30.9	27.2	22.2	19	10.1
1.80V/cell	258.3	220.8	190.6	167.4	138.6	112	91.1	60.6	47.9	37	32	28.3	23.2	19.9	10.4
1.75V/cell	295.5	249	213	183.8	149.5	120	97.5	64	48.5	38.9	33.4	29.5	23.7	20.2	10.6
1.70V/cell	328.8	275.1	232.2	200.6	161.6	127.7	102.9	67.5	50.6	40.4	34.7	30.5	24.5	20.7	10.8
1.65V/cell	348.1	291.4	245.1	210.4	167.9	131.6	106.2	69.3	51.9	41.5	35.5	31	24.8	21	10.9
1.60V/cell	394.4	322.6	271	232.1	182.4	141.6	113.4	72.4	53.9	43.1	37.1	32.3	25.7	21.7	11.3

### 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	116.7	102.8	90.4	80	66.9	54.3	44.3	29.7	22.7	18.3	15.7	13.8	11.2	9.55	5.07
1.80V/cell	142	120.3	103	89.7	73.5	58.4	47.2	31.3	24.6	18.9	16.3	14.4	11.7	10	5.25
1.75V/cell	166	137.9	116.5	99.4	79.9	63.2	50.8	33.2	25	20	17.1	15.1	12	10.2	5.32
1.70V/cell	189.9	155.8	128.8	109.3	86.8	67.5	53.8	35	26.1	20.8	17.8	15.6	12.4	10.5	5.43
1.65V/cell	203.9	166.6	137	115.5	91	70.2	55.9	36.2	26.9	21.4	18.3	15.9	12.6	10.6	5.52
1.60V/cell	236.5	188.7	154	128.8	99.5	75.9	60	38	28.1	22.3	19.1	16.6	13.1	11	5.69