

GEL SERIES

SNG02200 (2V 200AH)



Specifications

Nominal Voltage	2V	
Nominal Capacity(10hr)	200AH	
Dimension	Length	170±2mm(6.69inch)
	Width	111±2mm(4.37inch)
	Height	328±2mm(12.91inch)
	Total Height	350±2mm(13.78inch)
Approx Weight	Approx. 13.50kg(19.0lbs)	
Terminal Type	T11	
container Material	ABS(UL-94HB)	
Internal Resistance	Approx.1.0m	
Rated Capacity	210.4AH/10.52A	(20hr, 1.80V/cell,25 /77)
	200AH/20.0A	(10hr, 1.80V/cell,25 /77)
	174AH/34.8A	(5hr, 1.75V/cell,25 /77)
	154AH/51.3A	(3hr, 1.75V/cell,25 /77)
	124AH/124A	(1hr, 1.60V/cell,25 /77)
Max. Discharge Current	1600A(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	429	381.8	339	303.2	256.2	209.8	171.9	115.9	89	71.9	61.7	54.5	44.4	38	20.2
1.80V/cell	516.6	441.6	381.2	334.8	277.2	223.9	182.1	121.2	95.9	74	63.9	56.5	46.3	39.7	20.9
1.75V/cell	591	498	426	367.5	299	240.1	195.1	128.1	97	77.8	66.8	59.1	47.4	40.5	21.1
1.70V/cell	657.7	550.2	464.3	401.1	323.1	255.5	205.8	134.9	101.1	80.9	69.4	61.1	48.9	41.4	21.6
1.65V/cell	696.1	582.9	490.2	420.8	335.8	263.2	212.4	138.6	103.9	83	71.1	62	49.7	42	21.9
1.60V/cell	788.8	645.2	542	464.1	364.8	283.2	226.8	144.8	107.8	86.2	74.2	64.5	51.4	43.3	22.5

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	233.3	205.6	180.7	160	133.7	108.6	88.6	59.4	45.4	36.6	31.3	27.6	22.4	19.1	10.1
1.80V/cell	284	240.6	205.9	179.3	146.9	116.8	94.4	62.5	49.2	37.9	32.6	28.7	23.4	20	10.5
1.75V/cell	331.9	275.7	233	198.7	159.8	126.4	101.6	66.3	50	40	34.2	30.1	24	20.4	10.6
1.70V/cell	379.9	311.7	257.5	218.5	173.6	135	107.6	70	52.2	41.6	35.6	31.2	24.8	20.9	10.9
1.65V/cell	407.8	333.2	274	231	181.9	140.4	111.8	72.3	53.9	42.9	36.6	31.7	25.3	21.2	11
1.60V/cell	473	377.3	308	257.5	199	151.8	120	75.9	56.1	44.7	38.3	33.1	26.2	21.9	11.4