

# GEL SERIES

## SNG12100 (12V 100AH)



### Specifications

Nominal Voltage	12V
Nominal Capacity(10hr)	100AH
Dimension	Length 330±3mm(12.91inch)
	Width 173±2mm(6.73inch)
	Height 212±2mm(8.42inch)
	Total Height 220±2mm(12.91inch)
Approx Weight	Approx. 29.4kg(64.81lbs)
Terminal Type	T3
container Material	ABS(UL-94HB)
Internal Resistance	Approx. 14mΩ
Rated Capacity	104AH/5.2A (20hr, 1.80V/cell,25°C/77°F)
	100AH/10.0A (10hr, 1.80V/cell,25°C/77°F)
	87AH/17.4A (5hr, 1.75V/cell,25°C/77°F)
	77AH/25.6A (3hr, 1.75V/cell,25°C/77°F)
	62AH/62A (1hr, 1.60V/cell,25°C/77°F)
Max. Discharge Current	1200A(5S)
Nominal Operating Temp. Range	25±3°C (77±5°F)
Cycle Use	Charge Current Less Than 0.25CA
	14.1V~14.7V@25°C(77°F)Temp. Coefficient -30mV/°C
Floating Use	No limit on Initial Charging Current Voltage
	13.5V~13.8V@25°C(77°F)Temp. Coefficient -20mV/°C
	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°C(77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	312.9	248.6	213.5	180.4	145	110.7	90.9	58.3	46.3	37.9	30.6	26.8	21.8	18.7	10.2
1.80V/cell	415.6	313.9	254.5	210.1	168.5	127.7	101.3	63.2	49.5	40.3	32.8	28.6	23.1	19.8	10.3
1.75V/cell	458.6	339.3	274.6	223.9	173.5	131.3	105.5	65.3	50.2	41	33.5	29.3	23.4	19.9	10.4
1.70V/cell	491	361.5	289.1	233.5	179.5	136	108.5	67.8	51.5	42	34.3	29.8	23.7	20.1	10.6
1.65V/cell	533.7	386.5	305	246.2	187.8	138.1	111.3	69.3	53.5	43.3	35.1	30.4	24	20.5	10.7
1.60V/cell	575.1	410.1	320.8	259.4	196.9	143.2	114.7	71.2	54.9	44.5	36.2	31	24.2	20.7	10.8

### Constant Current Discharge at 25°C(77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	171.2	134.6	114.4	95.7	76.1	57.6	47.1	30	23.7	19.4	15.6	13.6	11	9.44	5.15
1.80V/cell	229.7	171.9	138.3	113.1	89.8	67	52.8	32.8	25.6	20.7	16.8	14.6	11.7	10	5.2
1.75V/cell	259	188.9	151	121.7	93.2	69.5	55.3	34	26	21.2	17.2	15	11.9	10.1	5.25
1.70V/cell	285.2	205.9	161.2	127.9	97	72.3	57	35.3	26.8	21.7	17.7	15.3	12.1	10.2	5.35
1.65V/cell	314.5	222.2	171.4	135.9	102.3	74.1	58.9	36.3	27.9	22.5	18.1	15.6	12.3	10.4	5.42
1.60V/cell	346.9	241.3	183.4	144.8	108	77.2	61	37.6	28.7	23.2	18.7	16	12.4	10.5	5.45