

# GEL SERIES

## SNG02400 (2V 400AH)



### Specifications

Nominal Voltage	2V
Nominal Capacity(10hr)	400AH
Dimension	Length 206±2mm(8.11inch)
	Width 175±2mm(6.89inch)
	Height 328±2mm(13.07inch)
	Total Height 367±2mm(14.45inch)
Approx Weight	Approx. 26kg(57.8lbs)
Terminal Type	T11
container Material	ABS(UL-94HB)
Internal Resistance	Approx. 0.7m
Rated Capacity	420AH/21A (20hr, 1.80V/cell,25 /77 )
	400AH/40.0A (10hr, 1.80V/cell,25 /77 )
	348AH/69.6A (5hr, 1.75V/cell,25 /77 )
	308AH/102.6A (3hr, 1.75V/cell,25 /77 )
	248AH/248A (1hr, 1.60V/cell,25 /77 )
Max. Discharge Current	3200A(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	858	763.7	678.1	606.3	512.3	419.6	343.7	231.9	177.9	143.9	123.5	108.9	88.7	76	40.3
1.80V/cell	1033.2	883.2	762.4	669.7	554.4	447.8	364.2	242.4	191.7	148	127.9	113.1	92.7	79.4	41.7
1.75V/cell	1182	995.9	852	735	598.1	480.1	390.1	256.2	194.1	155.6	133.7	118.1	94.8	80.9	42.2
1.70V/cell	1315.3	1100.4	928.6	802.3	646.3	511	411.7	269.9	202.2	161.8	138.9	122.1	97.8	82.9	43.1
1.65V/cell	1392.2	1165.8	980.4	841.7	671.7	526.3	424.7	277.1	207.8	166	142.2	124	99.3	84.1	43.8
1.60V/cell	1577.6	1290.4	1083.9	928.2	729.6	566.3	453.6	289.5	215.6	172.4	148.3	129	102.9	86.6	45

### 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	466.7	411.2	361.4	320	267.4	217.2	177.3	118.8	90.8	73.2	62.7	55.1	44.7	38.2	20.3
1.80V/cell	568	481.2	411.9	358.6	293.8	233.6	188.8	125	98.4	75.7	65.2	57.5	46.9	40	21
1.75V/cell	663.9	551.4	466	397.4	319.6	252.8	203.2	132.6	100	79.9	68.4	60.2	48.1	40.8	21.3
1.70V/cell	759.7	623.3	515	437	347.3	270.1	215.1	140	104.4	83.2	71.2	62.3	49.6	41.8	21.7
1.65V/cell	815.6	666.4	548	462	363.9	280.7	223.5	144.6	107.7	85.7	73.1	63.5	50.5	42.5	22.1
1.60V/cell	946	754.7	615.9	515	398	303.6	240	151.8	112.3	89.3	76.5	66.3	52.4	43.8	22.8