

GEL SERIES

SNG02800 (2V 800AH)



Specifications

Nominal Voltage	2V
Nominal Capacity(10hr)	800AH
Dimension	Length 410±2mm(16.14inch)
	Width 175±2mm(6.89inch)
	Height 330±2mm(12.99inch)
	Total Height 351±2mm(13.82inch)
Approx Weight	Approx. 50.0kg(110.3lbs)
Terminal Type	T11
container Material	ABS(UL-94HB)
Internal Resistance	Approx. 0.5m
Rated Capacity	833.3AH/41.6A (20hr, 1.80V/cell,25 /77)
	800AH/80.0A (10hr, 1.80V/cell,25 /77)
	696AH/139.2A (5hr, 1.75V/cell,25 /77)
	616AH/205.3A (3hr, 1.75V/cell,25 /77)
	496AH/496A (1hr, 1.60V/cell,25 /77)
Max. Discharge Current	2800A(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%
	25°C 100%
Capacity affected by Temperature	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	1715.9	1527.3	1356.1	1212.6	1024.7	839.3	687.5	463.8	355.8	287.7	247	217.9	177.4	152	80.7
1.80V/cell	2066.3	1766.5	1524.7	1339.3	1108.7	895.6	728.4	484.8	383.4	295.9	255.8	226.2	185.4	158.9	83.5
1.75V/cell	2363.9	1991.9	1703.9	1470.1	1196.1	960.2	780.3	512.3	388.1	311.3	267.4	236.2	189.7	161.9	84.5
1.70V/cell	2630.6	2200.9	1857.2	1604.6	1292.6	1021.9	823.4	539.8	404.4	323.5	277.7	244.2	195.6	165.7	86.2
1.65V/cell	2784.5	2331.6	1960.9	1683.4	1343.3	1052.7	849.4	554.3	415.6	332	284.4	247.9	198.7	168.1	87.5
1.60V/cell	3155.2	2580.7	2167.9	1856.5	1459.1	1132.6	907.2	579.1	431.1	344.9	296.6	258	205.7	173.2	90.1

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	933.4	822.4	722.9	639.9	534.8	434.4	354.6	237.6	181.6	146.4	125.3	110.3	89.4	76.4	40.5
1.80V/cell	1136	962.4	823.8	717.3	587.6	467.2	377.7	250	196.8	151.4	130.4	114.9	93.7	80	42
1.75V/cell	1327.7	1102.8	932	794.8	639.2	505.6	406.4	265.2	200	159.8	136.8	120.4	96.1	81.6	42.5
1.70V/cell	1519.5	1246.6	1030.1	874.1	694.6	540.1	430.2	280	208.8	166.4	142.3	124.7	99.2	83.6	43.4
1.65V/cell	1631.3	1332.8	1095.9	923.9	727.8	561.4	447.1	289.2	215.5	171.4	146.2	126.9	101	85	44.2
1.60V/cell	1892	1509.4	1231.9	1030.1	796	607.3	480	303.6	224.5	178.6	153	132.5	104.8	87.7	45.5