

GEL SERIES - High Rate SNG12075 (12V 75AH)



Specifications

Nominal Voltage	12V
Nominal Capacity(10hr)	75AH
Dimension	Length 260±2mm(10.24inch)
	Width 169±2mm(6.65inch)
	Height 208±2mm(8.19inch)
	Total Height 214±2mm(8.43inch)
Approx Weight	Approx. 24kg
Terminal Type	T6/T9/T14
container Material	ABS(UL-94HB)
Internal Resistance	Approx.6.6m
Rated Capacity	80AH/4.0A (20hr, 1.80V/cell,25 /77)
	75.0AH/7.5A (10hr, 1.80V/cell,25 /77)
	68AH/13.6A (5hr, 1.75V/cell,25 /77)
	60.0AH/20.0A (3hr, 1.75V/cell,25 /77)
	48.0AH/48.0A (1hr, 1.60V/cell,25 /77)
Max. Discharge Current	900A(5S)
Nominal Operating Temp. Range	25±3 (77±5)
Cycle Use	Charge Current Less Than 0.25CA
	14.1V~14.7V@25 (77)Temp. Coefficient -30mV/
Floating Use	No limit on Initial Charging Current Voltage
	13.5V~13.8V@25 (77)Temp. Coefficient -20mV/
	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	234.7	186.4	160.1	135.3	108.7	83	68.2	43.7	34.7	28.4	23	20.1	16.4	14	7.65
1.80V/cell	311.7	235.4	190.9	157.6	126.3	95.8	76	47.4	37.1	30.2	24.6	21.4	17.3	14.8	7.71
1.75V/cell	343.9	254.5	205.9	167.9	130.1	98.4	79.1	49	37.7	30.8	25.1	22	17.6	14.9	7.78
1.70V/cell	368.2	271.1	216.8	175.1	134.6	102	81.4	50.8	38.7	31.5	25.7	22.4	17.8	15.1	7.92
1.65V/cell	400.3	289.9	228.8	184.7	140.9	103.6	83.5	52	40.1	32.5	26.3	22.8	18	15.4	8.02
1.60V/cell	431.3	307.6	240.6	194.6	147.7	107.4	86	53.4	41.2	33.4	27.1	23.2	18.2	15.5	8.05

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	128.4	100.9	85.8	71.8	57.1	43.2	35.4	22.5	17.8	14.5	11.7	10.2	8.29	7.08	3.86
1.80V/cell	172.3	128.9	103.7	84.9	67.3	50.2	39.6	24.6	19.2	15.5	12.6	10.9	8.79	7.5	3.9
1.75V/cell	194.3	141.7	113.3	91.3	69.9	52.1	41.4	25.5	19.5	15.9	12.9	11.2	8.94	7.58	3.94
1.70V/cell	213.9	154.4	120.9	95.9	72.7	54.2	42.7	26.5	20.1	16.3	13.2	11.5	9.07	7.65	4.01
1.65V/cell	235.9	166.7	128.6	101.9	76.7	55.6	44.2	27.2	20.9	16.8	13.6	11.7	9.21	7.81	4.07
1.60V/cell	260.2	180.9	137.5	108.6	81	57.9	45.8	28.2	21.6	17.4	14.1	12	9.3	7.89	4.09