

# DEEP CYCLE SERIES

## SN12065DC (12V 65AH)



### Specifications

Nominal Voltage	12V
Nominal Capacity(10hr)	65AH
Dimension	Length 348±3mm(13.70inch)
	Width 167±2mm(6.57inch)
	Height 178±2mm(7.01inch)
	Total Height 178±2mm(7.01inch)
Approx Weight	Approx. 19.3kg(42.54lbs)
Terminal Type	T6
container Material	ABS(UL-94HB)
Internal Resistance	Approx. 6.6m
Rated Capacity	67.7AH/3.385A (20hr, 1.80V/cell,25 /77 )
	65AH/6.5A (10hr, 1.80V/cell,25 /77 )
	56.55AH/11.31A (5hr, 1.75V/cell,25 /77 )
	50.05AH/16.7A (3hr, 1.75V/cell,25 /77 )
	40.3AH/40.3A (1hr, 1.60V/cell,25 /77 )
Max. Discharge Current	840A(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%
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	203.4	161.6	138.8	117.3	94.2	71.9	59.1	37.9	30.1	24.6	19.9	17.4	14.2	12.1	6.63
1.80V/cell	270.1	204	165.4	136.6	109.5	83	65.9	41.1	32.2	26.2	21.3	18.6	15	12.8	6.69
1.75V/cell	298.1	220.6	178.5	145.5	112.7	85.3	68.6	42.5	32.7	26.7	21.8	19	15.2	13	6.74
1.70V/cell	319.1	235	187.9	151.8	116.7	88.4	70.5	44.1	33.5	27.3	22.3	19.4	15.4	13.1	6.87
1.65V/cell	346.9	251.2	198.3	160.1	122.1	89.8	72.4	45	34.8	28.2	22.8	19.8	15.6	13.3	6.95
1.60V/cell	373.8	266.5	208.5	168.6	128	93.1	74.5	46.3	35.7	28.9	23.5	20.1	15.7	13.4	6.98

### 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	111.2	87.5	74.4	62.2	49.4	37.4	30.6	19.5	15.4	12.6	10.2	8.85	7.18	6.14	3.35
1.80V/cell	149.3	111.8	89.9	73.5	58.3	43.5	34.3	21.3	16.6	13.5	10.9	9.49	7.62	6.5	3.38
1.75V/cell	168.4	122.8	98.2	79.1	60.6	45.2	35.9	22.1	16.9	13.8	11.2	9.75	7.75	6.57	3.41
1.70V/cell	185.4	133.8	104.8	83.1	63	47	37	23	17.4	14.1	11.5	9.95	7.86	6.63	3.48
1.65V/cell	204.5	144.4	111.4	88.3	66.5	48.1	38.3	23.6	18.1	14.6	11.8	10.2	7.98	6.77	3.52
1.60V/cell	225.5	156.8	119.2	94.1	70.2	50.2	39.7	24.4	18.7	15.1	12.2	10.4	8.06	6.84	3.54