

DEEP CYCLE SERIES

SNO2300DC (2V 300AH)



Specifications

Nominal Voltage	2V	
Nominal Capacity(10hr)	300AH	
Dimension	Length	170±2mm(6.69inch)
	Width	150±2mm(5.91inch)
	Height	328±2mm(12.91inch)
	Total Height	350±2mm(13.78inch)
Approx Weight	Approx. 21.4kg(47.17lbs)	
Terminal Type	T11	
container Material	ABS(UL-94HB)	
Internal Resistance	Approx.1.4m	
Rated Capacity	312.5AH/14.625A	(20hr, 1.80V/cell,25 /77)
	300AH/30.0A	(10hr, 1.80V/cell,25 /77)
	261AH/52.2A	(5hr, 1.75V/cell,25 /77)
	231AH/77A	(3hr, 1.75V/cell,25 /77)
	186AH/186A	(1hr, 1.60V/cell,25 /77)
Max. Discharge Current	2400A(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	643.5	572.7	508.5	454.7	384.3	314.7	257.8	173.9	133.4	107.9	92.6	81.7	66.5	57	30.3
1.80V/cell	774.9	662.4	571.8	502.3	415.8	335.9	273.2	181.8	143.8	111	95.9	84.8	69.5	59.6	31.3
1.75V/cell	\	747	639	551.3	448.6	360.1	292.6	192.1	145.5	116.7	100.3	88.6	71.1	60.7	31.7
1.70V/cell	\	825.3	696.5	601.7	484.7	383.2	308.8	202.4	151.7	121.3	104.2	91.6	73.4	62.1	32.3
1.65V/cell	\	\	735.3	631.3	503.7	394.8	318.5	207.9	155.8	124.5	106.6	93	74.5	63.1	32.8
1.60V/cell	\	\	812.9	696.2	547.2	424.7	340.2	217.2	161.7	129.3	111.2	96.8	77.1	65	33.8

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	350	308.4	271.1	240	200.6	162.9	133	89.1	68.1	54.9	47	41.4	33.5	28.7	15.2
1.80V/cell	426	360.9	308.9	269	220.4	175.2	141.6	93.8	73.8	56.8	48.9	43.1	35.1	30	15.8
1.75V/cell	\	413.6	349.5	298.1	239.7	189.6	152.4	99.5	75	59.9	51.3	45.2	36	30.6	16
1.70V/cell	\	467.5	386.3	327.8	260.5	202.5	161.3	105	78.3	62.4	53.4	46.8	37.2	31.4	16.3
1.65V/cell	\	\	411	346.5	272.9	210.5	167.6	108.5	80.8	64.3	54.8	47.6	37.9	31.9	16.6
1.60V/cell	\	\	462	386.3	298.5	227.7	180	113.9	84.2	67	57.4	49.7	39.3	32.9	17.1

