

# DEEP CYCLE SERIES

## SNO6100DC (6V 100AH)



### Specifications

Nominal Voltage	6V	
Nominal Capacity(10hr)	100AH	
Dimension	Length	195±2mm(7.68inch)
	Width	170±2mm(6.69inch)
	Height	207±2mm(8.13inch)
	Total Height	212±2mm(8.37inch)
Approx Weight	Approx. 15.6kg(34.4lbs)	
Terminal Type	T6	
container Material	ABS(UL-94HB)	
Internal Resistance	Approx. 5m	
Rated Capacity	107AH/5.2A	(20hr, 1.80V/cell, 25 °C) /77 %
	100AH/10A	(10hr, 1.80V/cell, 25 °C) /77 %
	87AH/17.4A	(5hr, 1.75V/cell, 25 °C) /77 %
	77.0AH/25.67A	(3hr, 1.75V/cell, 25 °C) /77 %
	62AH/62A	(1hr, 1.60V/cell, 25 °C) /77 %
Max. Discharge Current	1200A(5S)	
Nominal Operating Temp. Range	25±3 (77±5 °C)	
Cycle Use	Charge Current Less Than 0.25CA	
	7.05V~7.35V@25 °C (77 °C)Temp. Coefficient -15mV/°C	
Floating Use	No limit on Initial Charging Current Voltage	
	6.75V~6.9V@25 °C (77 °C)Temp. Coefficient -10mV/°C	
	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 °C (77 °F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	312.9	248.6	213.5	180.4	145	110.7	90.9	58.3	46.3	37.9	30.6	26.8	21.8	18.7	10.2
1.80V/cell	415.6	313.9	254.5	210.1	168.5	127.7	101.3	63.2	49.5	40.3	32.8	28.6	23.1	19.8	10.3
1.75V/cell	458.6	339.3	274.6	223.9	173.5	131.3	105.5	65.3	50.2	41	33.5	29.3	23.4	19.9	10.4
1.70V/cell	491	361.5	289.1	233.5	179.5	136	108.5	67.8	51.5	42	34.3	29.8	23.7	20.1	10.6
1.65V/cell	533.7	386.5	305	246.2	187.8	138.1	111.3	69.3	53.5	43.3	35.1	30.4	24	20.5	10.7
1.60V/cell	575.1	410.1	320.8	259.4	196.9	143.2	114.7	71.2	54.9	44.5	36.2	31	24.2	20.7	10.8

### Constant Current Discharge at 25 °C (77 °F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	171.2	134.6	114.4	95.7	76.1	57.6	47.1	30	23.7	19.4	15.6	13.6	11	9.44	5.15
1.80V/cell	229.7	171.9	138.3	113.1	89.8	67	52.8	32.8	25.6	20.7	16.8	14.6	11.7	10	5.2
1.75V/cell	259	188.9	151	121.7	93.2	69.5	55.3	34	26	21.2	17.2	15	11.9	10.1	5.25
1.70V/cell	285.2	205.9	161.2	127.9	97	72.3	57	35.3	26.8	21.7	17.7	15.3	12.1	10.2	5.35
1.65V/cell	314.5	222.2	171.4	135.9	102.3	74.1	58.9	36.3	27.9	22.5	18.1	15.6	12.3	10.4	5.42
1.60V/cell	346.9	241.3	183.4	144.8	108	77.2	61	37.6	28.7	23.2	18.7	16	12.4	10.5	5.45