

DEEP CYCLE SERIES

SN12200DC (12V 200AH)



Specifications

Nominal Voltage	12V
Nominal Capacity(10hr)	200AH
Dimension	Length 522±3mm(20.55inch)
	Width 240±2mm(9.45inch)
	Height 218±2mm(8.58inch)
	Total Height 224±2mm(8.81inch)
Approx Weight	Approx. 57.2kg(126.1lbs)
Terminal Type	T11
container Material	ABS(UL-94HB)
Internal Resistance	Approx. 2.7mΩ
Rated Capacity	208AH/10.4A (20hr, 1.80V/cell,25°C/77°F)
	200AH/20A (10hr, 1.80V/cell,25°C/77°F)
	174AH/34.8A (5hr, 1.75V/cell,25°C/77°F)
	154AH/51.3A (3hr, 1.75V/cell,25°C/77°F)
	124AH/124A (1hr, 1.60V/cell,25°C/77°F)
Max. Discharge Current	2000A(5S)
Nominal Operating Temp. Range	25±3°C (77±5°F)
Cycle Use	Charge Current Less Than 0.25CA
	14.1V~14.7V@25°C(77°F)Temp. Coefficient -30mV/°C
Floating Use	No limit on Initial Charging Current Voltage
	13.5V~13.8V@25°C(77°F)Temp. Coefficient -20mV/°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	625.9	497.1	427.1	360.8	290	221.3	181.9	116.6	92.6	75.8	61.3	53.5	43.6	37.4	20.4
1.80V/cell	831.2	627.7	509	420.3	336.9	255.4	202.6	126.4	99	80.5	65.5	57.2	46.1	39.5	20.6
1.75V/cell	917.2	678.7	549.2	447.8	346.9	262.5	211	130.6	100.5	82.1	67	58.6	46.8	39.9	20.7
1.70V/cell	982	723	578.2	467.1	359.1	272	217	135.6	103.1	84.1	68.6	59.7	47.4	40.2	21.1
1.65V/cell	1067.5	773.1	610.1	492.5	375.7	276.3	222.7	138.5	107	86.6	70.2	60.8	48.1	41	21.4
1.60V/cell	1150.2	820.2	641.7	518.9	393.8	286.4	229.4	142.5	109.8	89.1	72.3	62	48.4	41.4	21.5

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	342.3	269.1	228.9	191.4	152.1	115.1	94.3	60.1	47.5	38.8	31.3	27.2	22.1	18.9	10.3
1.80V/cell	459.5	343.9	276.5	226.3	179.5	133.9	105.6	65.5	51.1	41.4	33.6	29.2	23.4	20	10.4
1.75V/cell	518.1	377.8	302	243.4	186.4	139	110.5	68	52	42.3	34.4	30	23.8	20.2	10.5
1.70V/cell	570.5	411.8	322.5	255.8	194	144.5	114	70.7	53.5	43.5	35.3	30.6	24.2	20.4	10.7
1.65V/cell	629.1	444.4	342.9	271.8	204.6	148.1	117.8	72.7	55.8	45	36.3	31.3	24.6	20.8	10.8
1.60V/cell	693.8	482.5	366.7	289.5	216	154.4	122	75.1	57.5	46.4	37.5	32	24.8	21	10.9