

DEEP CYCLE SERIES

SN12120DC (12V 120AH)



Specifications

Nominal Voltage	12V
Nominal Capacity(10hr)	120AH
Dimension	Length 410±3mm(16.14inch)
	Width 177±2mm(6.97inch)
	Height 225±2mm(8.86inch)
	Total Height 225±2mm(8.86inch)
Approx Weight	Approx. 34.4kg(75.83lbs)
Terminal Type	T11
container Material	ABS(UL-94HB)
Internal Resistance	Approx. 4.0mΩ
Rated Capacity	125AH/6.25A (20hr, 1.80V/cell,25°C/77°F)
	120AH/12A (10hr, 1.80V/cell,25°C/77°F)
	104.4AH/20.88A (5hr, 1.75V/cell,25°C/77°F)
	92.4AH/30.8A (3hr, 1.75V/cell,25°C/77°F)
	74.4AH/74.4A (1hr, 1.60V/cell,25°C/77°F)
Max. Discharge Current	1300A(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	375.5	298.3	256.2	216.5	174	132.8	109.1	70	55.5	45.5	36.8	32.1	26.2	22.4	12.2
1.80V/cell	498.7	376.6	305.4	252.2	202.2	153.2	121.6	75.9	59.4	48.3	39.3	34.3	27.7	23.7	12.3
1.75V/cell	550.3	407.2	329.5	268.7	208.1	157.5	126.6	78.4	60.3	49.2	40.2	35.1	28.1	23.9	12.4
1.70V/cell	589.2	433.8	346.9	280.2	215.4	163.2	130.2	81.3	61.9	50.4	41.1	35.8	28.5	24.1	12.7
1.65V/cell	640.5	463.8	366	295.5	225.4	165.8	133.6	83.1	64.2	52	42.1	36.5	28.8	24.6	12.8
1.60V/cell	690.1	492.1	385	311.3	236.3	171.8	137.6	85.5	65.9	53.4	43.4	37.2	29.1	24.8	12.9

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	205.4	161.5	137.3	114.9	91.3	69.1	56.6	36	28.5	23.3	18.8	16.3	13.3	11.3	6.18
1.80V/cell	275.7	206.3	165.9	135.8	107.7	80.4	63.4	39.3	30.7	24.8	20.1	17.5	14.1	12	6.24
1.75V/cell	310.8	226.7	181.2	146.1	111.8	83.4	66.3	40.8	31.2	25.4	20.6	18	14.3	12.1	6.3
1.70V/cell	342.3	247.1	193.5	153.5	116.4	86.7	68.4	42.4	32.1	26.1	21.2	18.4	14.5	12.2	6.42
1.65V/cell	377.4	266.7	205.7	163.1	122.8	88.9	70.7	43.6	33.5	27	21.8	18.8	14.7	12.5	6.5
1.60V/cell	416.3	289.5	220	173.7	129.6	92.6	73.2	45.1	34.5	27.8	22.5	19.2	14.9	12.6	6.54