

DEEP CYCLE SERIES

SN12150DC (12V 150AH)



Specifications

Nominal Voltage	12V
Nominal Capacity(10hr)	150AH
Dimension	Length 485±3mm(19.09inch)
	Width 117±2mm(6.69inch)
	Height 240±2mm(9.45inch)
	Total Height 240±2mm(9.45inch)
Approx Weight	Approx. 41.8kg(92.15lbs)
Terminal Type	T11
container Material	ABS(UL-94HB)
Internal Resistance	Approx. 3.5mΩ
Rated Capacity	156AH/7.8A (20hr, 1.80V/cell,25°C/77°F)
	150AH/15A (10hr, 1.80V/cell,25°C/77°F)
	130.5AH/26.1A (5hr, 1.75V/cell,25°C/77°F)
	100AH/33.3A (3hr, 1.75V/cell,25°C/77°F)
	93AH/93A (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	469.4	372.8	320.3	270.6	217.5	166	136.4	87.5	69.4	56.9	46	40.1	32.7	28	15.3
1.80V/cell	623.4	470.8	381.8	315.2	252.7	191.6	152	94.8	74.3	60.4	49.1	42.9	34.6	29.6	15.4
1.75V/cell	687.9	509	411.9	335.8	260.2	196.9	158.3	98	75.4	61.5	50.3	43.9	35.1	29.9	15.6
1.70V/cell	736.5	542.2	433.6	350.3	269.3	204	162.7	101.7	77.3	63	51.4	44.8	35.6	30.2	15.8
1.65V/cell	800.6	579.8	457.5	369.3	281.8	207.2	167	103.9	80.2	65	52.7	45.6	36.1	30.7	16
1.60V/cell	862.6	615.1	481.2	389.2	295.4	214.8	172	106.9	82.3	66.8	54.2	46.5	36.3	31	16.1

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	256.7	201.8	171.6	143.6	114.1	86.4	70.7	45	35.6	29.1	23.5	20.4	16.6	14.2	7.73
1.80V/cell	344.6	257.9	207.4	169.7	134.6	100.4	79.2	49.2	38.3	31.1	25.2	21.9	17.6	15	7.8
1.75V/cell	388.5	283.4	226.5	182.6	139.8	104.2	82.9	51	39	31.8	25.8	22.5	17.9	15.1	7.88
1.70V/cell	427.9	308.9	241.8	191.9	145.5	108.4	85.5	53	40.1	32.6	26.5	23	18.1	15.3	8.03
1.65V/cell	471.8	333.3	257.2	203.8	153.5	111.1	88.4	54.5	41.8	33.7	27.2	23.5	18.4	15.6	8.13
1.60V/cell	520.4	361.9	275	217.1	162	115.8	91.5	56.3	43.1	34.8	28.1	24	18.6	15.8	8.18