

DEEP CYCLE SERIES

SN12055DC (12V 55AH)



Specifications

Nominal Voltage	12V
Nominal Capacity(10hr)	55AH
Dimension	Length 229±2mm(9.02inch)
	Width 138±2mm(5.43inch)
	Height 208±2mm(8.19inch)
	Total Height 228±2mm(8.98inch)
Approx Weight	Approx. 16.1kg(35.50lbs)
Terminal Type	T6/T9/T14
container Material	ABS(UL-94HB)
Internal Resistance	Approx.7.5m
Rated Capacity	57.89AH/2.89A (20hr, 1.80V/cell,25 /77)
	55.0AH/2.75A (10hr, 1.80V/cell,25 /77)
	52.25AH/5.225A (5hr, 1.75V/cell,25 /77)
	46.75AH/9.35A (3hr, 1.75V/cell,25 /77)
	41.25AH/13.75A (1hr, 1.60V/cell,25 /77)
Max. Discharge Current	660A(5S)
Nominal Operating Temp. Range	25±3 (77±5)
Cycle Use	Charge Current Less Than 0.25CA
	14.1V~14.7V@25 (77)Temp. Coefficient -30mV/
Floating Use	No limit on Initial Charging Current Voltage
	13.5V~13.8V@25 (77)Temp. Coefficient -20mV/
	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	172.1	136.7	117.4	99.2	79.7	60.9	50	32.1	25.5	20.9	16.9	14.7	12	10.3	5.61
1.80V/cell	228.6	172.6	140	115.6	92.7	70.2	55.7	34.8	27.2	22.2	18	15.7	12.7	10.9	5.66
1.75V/cell	252.2	186.6	151	123.1	95.4	72.2	58	35.9	27.6	22.6	18.4	16.1	12.9	11	5.7
1.70V/cell	270	198.8	159	128.4	98.7	74.8	59.7	37.3	28.4	23.1	18.9	16.4	13	11.1	5.81
1.65V/cell	293.6	212.6	167.8	135.4	103.3	76	61.2	38.1	29.4	23.8	19.3	16.7	13.2	11.3	5.88
1.60V/cell	316.3	225.5	176.5	142.7	108.3	78.8	63.1	39.2	30.2	24.5	19.9	17	13.3	11.4	5.9

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	94.1	74	62.9	52.6	41.8	31.7	25.9	16.5	13.1	10.7	8.6	7.49	6.08	5.19	2.83
1.80V/cell	126.4	94.6	76	62.2	49.4	36.8	29	18	14.1	11.4	9.23	8.03	6.45	5.5	2.86
1.75V/cell	142.5	103.9	83.1	66.9	51.3	38.2	30.4	18.7	14.3	11.6	9.46	8.25	6.56	5.56	2.89
1.70V/cell	156.9	113.3	88.7	70.4	53.3	39.7	31.3	19.4	14.7	11.9	9.71	8.42	6.65	5.61	2.94
1.65V/cell	173	122.2	94.3	74.7	56.3	40.7	32.4	20	15.3	12.4	9.98	8.61	6.75	5.73	2.98
1.60V/cell	190.8	132.7	100.8	79.6	59.4	42.5	33.6	20.7	15.8	12.7	10.3	8.79	6.82	5.79	3