

DEEP CYCLE SERIES

SN12033DC (12V 33AH)



Specifications

Nominal Voltage	12V
Nominal Capacity(20hr)	33AH
Dimension	Length 195±2mm(7.68inch)
	Width 130±2mm(5.12inch)
	Height 164±2mm(6.46inch)
	Total Height 180±2mm(7.09inch)
Approx Weight	Approx. 10.5kg(23.15lbs)
Terminal Type	T12
container Material	ABS(UL-94HB)
Internal Resistance	Approx. 12m Ω
Rated Capacity	33AH/1.65A (20hr, 1.80V/cell,25 /77)
	31.6AH/3.16A (10hr, 1.80V/cell,25 /77)
	28.7AH/5.74A (5hr, 1.75V/cell,25 /77)
	25.4AH/8.47A (3hr, 1.75V/cell,25 /77)
	20.5AH/20.5A (1hr, 1.60V/cell,25 /77)
Max. Discharge Current	360A(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/
Capacity affected by Temperature	40°C 103%
	25°C 100%
	0°C 86%
	-15°C 65%
Self-discharge	3 month Remaining capacity: 91%
	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	114.9	89.1	74.6	65.2	50.9	37.8	32	19.1	15	12.2	10	8.69	7.03	5.89	3.24
1.80V/cell	152.6	112.6	88.9	75.9	59.2	43.7	35.7	20.7	16	13	10.7	9.28	7.44	6.06	3.26
1.75V/cell	168.4	121.7	95.9	80.9	60.9	44.9	37.1	21.3	16.2	13.2	10.9	9.5	7.55	6.22	3.29
1.70V/cell	180.3	129.6	101	84.3	63.1	46.5	38.2	21.8	16.7	13.5	11.2	9.69	7.65	6.34	3.35
1.65V/cell	196	138.6	106.6	88.9	66	47.2	38.8	22	17.3	13.9	11.4	9.87	7.75	6.46	3.39
1.60V/cell	211.2	147.1	112.1	93.7	69.2	49	39	22.9	17.7	14.3	11.8	10	7.81	6.52	3.4

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	62.8	48.3	40	34.6	26.7	19.69	16.6	9.81	7.68	6.24	5.09	4.42	3.56	2.98	1.63
1.80V/cell	84.4	61.7	48.3	40.9	31.5	22.9	18.6	10.7	8.26	6.67	5.46	4.74	3.78	3.07	1.65
1.75V/cell	95.1	67.8	52.8	44	32.7	23.8	19.4	11.1	8.42	6.81	5.61	4.87	3.84	3.15	1.67
1.70V/cell	104.7	73.9	56.3	46.2	34.1	24.7	20.1	11.4	8.65	7	5.75	4.97	3.9	3.21	1.7
1.65V/cell	115.5	79.7	59.9	49.1	35.9	25.3	20.5	11.6	9.02	7.24	5.91	5.08	3.96	3.28	1.72
1.60V/cell	127.4	86.5	64.1	52.3	38	26.4	20.7	12	9.29	7.46	6.11	5.19	4	3.32	1.73