

# STANDBY SERIES

## SN12012 (12V 12AH)



### Specifications

Nominal Voltage	12V
Nominal Capacity(20hr)	12AH
Dimension	Length 151±1mm(5.95inch)
	Width 98±1mm(3.86inch)
	Height 95±1mm(3.74inch)
	Total Height 101±1mm(3.98inch)
Approx Weight	Approx. 3.4kg(7.27lbs)
Terminal Type	T1
container Material	ABS(UL-94HB)
Internal Resistance	Approx. 90mΩ
Rated Capacity	12AH/0.6A (20hr, 1.80V/cell,25°C/77°F)
	11.52AH/1.15A (10hr, 1.80V/cell,25°C/77°F)
	10.44AH/2.08A (5hr, 1.75V/cell,25°C/77°F)
	9.24AH/3.08A (3hr, 1.75V/cell,25°C/77°F)
	7.44AH/7.44A (1hr, 1.60V/cell,25°C/77°F)
Max. Discharge Current	117A(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
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°C(77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	41.8	32.4	27.1	23.7	18.5	13.8	11.6	6.93	5.44	4.44	3.63	3.16	2.56	2.14	1.18
1.80V/cell	55.5	40.9	32.3	27.6	21.5	15.9	13	7.51	5.82	4.71	3.88	3.37	2.71	2.21	1.19
1.75V/cell	61.2	44.3	34.9	29.4	22.2	16.3	13.5	7.76	5.91	4.8	3.97	3.46	2.75	2.26	1.2
1.70V/cell	65.6	47.1	36.7	30.7	22.9	16.9	13.9	7.94	6.06	4.92	4.06	3.52	2.78	2.31	1.22
1.65V/cell	71.3	50.4	38.7	32.3	24	17.2	14.1	8.01	6.29	5.07	4.16	3.59	2.82	2.35	1.23
1.60V/cell	76.8	53.5	40.8	34.1	25.2	17.8	14.2	8.31	6.45	5.21	4.28	3.65	2.84	2.37	1.24

### 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	22.9	17.5	14.5	12.6	9.72	7.16	6.03	3.57	2.79	2.27	1.85	1.61	1.3	1.08	0.594
1.80V/cell	30.7	22.4	17.6	14.9	11.5	8.33	6.76	3.9	3	2.42	1.99	1.72	1.37	1.12	0.6
1.75V/cell	34.6	24.6	19.2	16	11.9	8.64	7.07	4.04	3.06	2.48	2.04	1.77	1.4	1.15	0.606
1.70V/cell	38.1	26.9	20.5	16.8	12.4	8.99	7.29	4.14	3.15	2.54	2.09	1.81	1.42	1.17	0.617
1.65V/cell	42	29	21.8	17.8	13.1	9.21	7.46	4.2	3.28	2.63	2.15	1.85	1.44	1.19	0.625
1.60V/cell	46.3	31.5	23.3	19	13.8	9.6	7.54	4.38	3.38	2.71	2.22	1.89	1.45	1.21	0.629