

STANDBY SERIES

SN12030 (12V 30AH)



Specifications

Nominal Voltage	12V
Nominal Capacity(20hr)	30AH
Dimension	Length 166.5±1mm(6.56inch)
	Width 175±1mm(6.89inch)
	Height 125±1mm(4.92inch)
	Total Height 125±1mm(4.92inch)
Approx Weight	Approx. 10.6kg(23.36lbs)
Terminal Type	T3
container Material	ABS(UL-94HB)
Internal Resistance	Approx. 13mΩ
Rated Capacity	30AH/1.5A (20hr, 1.80V/cell,25°C/77°F)
	28.8AH/2.88A (10hr, 1.80V/cell,25°C/77°F)
	26.1AH/5.22A (5hr, 1.75V/cell,25°C/77°F)
	23.1AH/7.7A (3hr, 1.75V/cell,25°C/77°F)
	18.6AH/18.6A (1hr, 1.60V/cell,25°C/77°F)
Max. Discharge Current	450A(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	104.5	81	67.8	59.2	46.3	34.4	29.1	17.3	13.6	11.1	9.08	7.9	6.39	5.36	2.94
1.80V/cell	138.7	102.3	80.8	69	53.8	39.7	32.4	18.8	14.6	11.8	9.69	8.44	6.76	5.51	2.97
1.75V/cell	153.1	110.6	87.2	73.5	55.4	40.8	33.8	19.4	14.8	12	9.92	8.64	6.86	5.65	2.99
1.70V/cell	163.9	117.9	91.8	76.7	57.3	42.3	34.7	19.8	15.2	12.3	10.2	8.81	6.95	5.76	3.04
1.65V/cell	178.2	126	96.9	80.8	60	42.9	35.3	20	15.7	12.7	10.4	8.97	7.05	5.87	3.08
1.60V/cell	192	133.7	101.9	85.2	62.9	44.5	35.4	20.8	16.1	13	10.7	9.13	7.1	5.93	3.1

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	57.1	43.9	36.3	31.4	24.3	17.9	15.1	8.92	6.98	5.68	4.63	4.02	3.24	2.71	1.49
1.80V/cell	76.7	56.1	43.9	37.1	28.7	20.8	16.9	9.74	7.51	6.06	4.97	4.31	3.44	2.79	1.5
1.75V/cell	86.5	61.6	48	40	29.8	21.6	17.7	10.1	7.65	6.2	5.1	4.43	3.5	2.87	1.52
1.70V/cell	95.2	67.1	51.2	42	31	22.5	18.2	10.4	7.86	6.36	5.23	4.52	3.54	2.92	1.54
1.65V/cell	105	72.5	54.4	44.6	32.7	23	18.7	10.5	8.2	6.58	5.37	4.62	3.6	2.98	1.56
1.60V/cell	115.8	78.7	58.2	47.5	34.5	24	18.8	11	8.45	6.79	5.55	4.72	3.63	3.02	1.57