

# STANDBY SERIES

## SN12001.3 (12V 1.3AH)



### Specifications

Nominal Voltage	12V
Nominal Capacity(20hr)	1.3AH
Dimension	Length 97±2mm(3.82inch)
	Width 43±2mm(1.69inch)
	Height 52±2mm(2.04inch)
	Total Height 58±2mm(2.28inch)
Approx Weight	Approx. 0.58kg(1.278lbs)
Terminal Type	F0
container Material	ABS(UL-94HB)
Internal Resistance	Approx. 67.4mΩ
Rated Capacity	1.31AH/0.065A (20hr, 1.80V/cell,25°C/77°F)
	1.2AH/0.130A (10hr, 1.80V/cell,25°C/77°F)
	1.125AH/0.225A (5hr, 1.75V/cell,25°C/77°F)
	0.975AH/0.325A (3hr, 1.75V/cell,25°C/77°F)
	0.73AH/0.73A (1hr, 1.60V/cell,25°C/77°F)
Max. Discharge Current	18A(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	9.34	6.07	4.82	3.40	2.79	1.77	1.45	0.83	0.63	0.49	0.455	0.382	0.297	0.237	0.128
1.80V/cell	9.43	6.13	4.88	3.43	2.82	1.78	1.46	0.86	0.65	0.50	0.460	0.388	0.300	0.238	0.129
1.75V/cell	9.53	6.20	4.94	3.47	2.85	1.80	1.47	0.89	0.67	0.51	0.465	0.393	0.303	0.240	0.130
1.70V/cell	9.62	6.27	4.99	3.50	2.89	1.82	1.48	0.92	0.69	0.52	0.470	0.399	0.307	0.242	0.131
1.65V/cell	9.71	6.33	5.05	3.53	2.92	1.83	1.49	0.95	0.71	0.53	0.475	0.404	0.310	0.243	0.132
1.60V/cell	9.80	6.40	5.11	3.57	2.95	1.85	1.50	0.98	0.73	0.54	0.480	0.410	0.313	0.245	0.133

### 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	4.68	3.04	2.42	1.71	1.33	0.88	0.730	0.415	0.315	0.245	0.223	0.191	0.148	0.119	0.064
1.80V/cell	4.72	3.07	2.44	1.72	1.35	0.89	0.730	0.430	0.325	0.250	0.225	0.194	0.150	0.120	0.065
1.75V/cell	4.77	3.10	2.46	1.74	1.38	0.90	0.740	0.445	0.335	0.255	0.228	0.197	0.151	0.121	0.066
1.70V/cell	4.81	3.13	2.48	1.75	1.40	0.91	0.740	0.460	0.345	0.260	0.230	0.199	0.153	0.122	0.067
1.65V/cell	4.86	3.16	2.50	1.77	1.43	0.92	0.742	0.475	0.355	0.265	0.233	0.202	0.154	0.123	0.068
1.60V/cell	4.90	3.19	2.52	1.78	1.45	0.93	0.744	0.490	0.365	0.270	0.235	0.205	0.156	0.124	0.069