

STANDBY SERIES

SN12007 (12V 7AH)



Specifications

Nominal Voltage	12V	
Nominal Capacity(20hr)	7AH	
Dimension	Length	151±2mm(5.95inch)
	Width	65±2mm(2.56inch)
	Height	95±2mm(3.72inch)
	Total Height	100±2mm(3.74inch)
Approx Weight	Approx. 2.10kg	
Terminal Type	T1/T2	
container Material	ABS(UL-94HB)	
Internal Resistance	Approx. 23mΩ	
	7.0AH/0.35A	(20hr, 1.80V/cell,25°C/77°F)
	6.65AH/0.665A	(10hr, 1.80V/cell,25°C/77°F)
	5.95AH/1.19A	(5hr, 1.75V/cell,25°C/77°F)
	5.25AH/1.75A	(3hr, 1.75V/cell,25°C/77°F)
	3.85AH/3.85A	(1hr, 1.60V/cell,25°C/77°F)
	Rated Capacity	
Max. Discharge Current	105A(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	24.4	18.9	15.8	13.8	10.8	8.03	6.79	4.04	3.18	2.59	2.12	1.84	1.492	1.25	0.686
1.80V/cell	32.4	23.9	18.9	16.1	12.6	9.26	7.57	4.38	3.4	2.75	2.26	1.97	1.578	1.286	0.692
1.75V/cell	35.7	25.8	20.3	17.2	12.9	9.52	7.88	4.53	3.45	2.8	2.31	2.02	1.602	1.319	0.698
1.70V/cell	38.2	27.5	21.4	17.9	13.4	9.86	8.1	4.63	3.54	2.87	2.37	2.05	1.622	1.345	0.71
1.65V/cell	41.6	29.4	22.6	18.9	14	10	8.23	4.67	3.67	2.96	2.43	2.09	1.644	1.37	0.719
1.60V/cell	44.8	31.2	23.8	19.9	14.7	10.4	8.26	4.85	3.76	3.04	2.5	2.13	1.656	1.383	0.722

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	13.3	10.2	8.48	7.33	5.67	4.18	3.52	2.08	1.63	1.32	1.08	0.94	0.756	0.631	0.347
1.80V/cell	17.9	13.1	10.2	8.67	6.69	4.86	3.94	2.27	1.75	1.41	1.16	1.01	0.802	0.651	0.35
1.75V/cell	20.2	14.4	11.2	9.32	6.94	5.04	4.13	2.36	1.79	1.45	1.19	1.03	0.816	0.669	0.354
1.70V/cell	22.2	15.7	11.9	9.8	7.23	5.24	4.26	2.42	1.83	1.48	1.22	1.05	0.827	0.682	0.36
1.65V/cell	24.5	16.9	12.7	10.4	7.63	5.37	4.35	2.45	1.91	1.54	1.25	1.08	0.84	0.696	0.365
1.60V/cell	27	18.4	13.6	11.1	8.05	5.6	4.4	2.56	1.97	1.58	1.3	1.1	0.848	0.704	0.367