

STANDBY SERIES

SN12009 (12V 9AH)



Specifications

Nominal Voltage	12V
Nominal Capacity(20hr)	9AH
Dimension	Length 151±1mm(5.95inch)
	Width 65±1mm(2.56inch)
	Height 94.5±1mm(3.72inch)
	Total Height 100±1mm(3.94inch)
Approx Weight	Approx. 2.3kg(5.07lbs)
Terminal Type	T1
container Material	ABS(UL-94HB)
Internal Resistance	Approx. 18mΩ
Rated Capacity	9.0AH/0.45A (20hr, 1.80V/cell,25°C/77°F)
	8.16AH/0.816A (10hr, 1.80V/cell,25°C/77°F)
	7.39AH/1.478A (5hr, 1.75V/cell,25°C/77°F)
	6.54AH/2.18A (3hr, 1.75V/cell,25°C/77°F)
	5.27AH/5.27A (1hr, 1.60V/cell,25°C/77°F)
Max. Discharge Current	127.5A(5S)
Nominal Operating Temp. Range	25±3°C (77±5°F)
Float life	5 years @ 13.5V/25°C
Cycle life	500 times @ 50%(C10)DOD
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	29.6	23	19.2	16.8	13.1	9.75	8.25	4.91	3.86	3.14	2.57	2.24	1.81	1.52	0.834
1.80V/cell	39.3	29	22.9	19.5	15.2	11.2	9.19	5.32	4.13	3.34	2.75	2.39	1.92	1.56	0.841
1.75V/cell	43.4	31.3	24.7	20.8	15.7	11.6	9.57	5.5	4.18	3.4	2.81	2.45	1.94	1.6	0.848
1.70V/cell	46.4	33.4	26	21.7	16.2	12	9.84	5.62	4.29	3.49	2.88	2.49	1.97	1.63	0.863
1.65V/cell	50.5	35.7	27.4	22.9	17	12.2	9.99	5.67	4.46	3.59	2.95	2.54	2	1.66	0.873
1.60V/cell	54.4	37.9	28.9	24.1	17.8	12.6	10	5.89	4.57	3.69	3.03	2.59	2.01	1.68	0.877

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	16.2	12.4	10.3	8.9	6.88	5.07	4.27	2.53	1.98	1.61	1.31	1.14	0.918	0.767	0.421
1.80V/cell	21.7	15.9	12.4	10.5	8.12	5.9	4.79	2.76	2.13	1.72	1.41	1.22	0.973	0.791	0.425
1.75V/cell	24.5	17.5	13.6	11.3	8.43	6.12	5.01	2.86	2.17	1.76	1.45	1.25	0.99	0.812	0.429
1.70V/cell	27	19	14.5	11.9	8.78	6.36	5.17	2.93	2.23	1.8	1.48	1.28	1.004	0.828	0.437
1.65V/cell	29.7	20.5	15.4	12.6	9.26	6.52	5.29	2.98	2.32	1.86	1.52	1.31	1.02	0.845	0.443

1.60V/cell	32.8	22.3	16.5	13.5	9.78	6.8	5.34	3.1	2.39	1.92	1.57	1.34	1.03	0.854	0.445
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