



SSB SBL 9-12L (12V 9AH)



Specification

Nominal Voltage	12V
Nominal Capacity (20hr / 25°C / 1.75 V/C)	9AH
	20 hour rate (0.45A, 10.5V) 9.00Ah
	10 hour rate (0.84A, 10.8V) 8.41Ah
	5 hour rate (1.57A, 10.5V) 7.85Ah
	3 hour rate (2.32A, 10.5V) 6.96Ah
Internal Resistance	Approx. 21 mΩ
Self-Discharge	SSB series batteries may be stored for up to 6 months at 25°C and then a freshing charge is required. For higher temperatures the time interval will be shorter. Monthly self-discharge ratio is less than 3% st 25°C.
Dimension	Length (mm / inch) 151 / 5.94 Width (mm / inch) 65 / 2.56 Height (mm / inch) 94 / 3.70 Total Height (mm / inch) 100 / 3.94
Approx. Weight (Kg / lbs)	2.55 / 5.62
Operating Temperature Range	Discharge : -20°C~60°C Charge : 0°C~50°C Storage : -20°C~60°C
Max. Discharge Current	90A(5s)
Short Circuit Current	430A
Standby Use	13.7 V~13.9 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use	14.6 V~14.8 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Life Expectancy	10-12 years at 20°C with charge voltage 2.25V/cell
Container Material	A.B.S. UL94-HB, UL94-V0 Optonal

Applications

- ◆ Absorbent Glass Mat (AGM) technology.
- ◆ Not restricted for air transport-complies with IATA/ICAO Special Provision A67.
- ◆ UL-recognized component.
- ◆ Can be mounted in any orientation.
- ◆ Computer designed lead, calcium tin alloy grid for high power density.
- ◆ Long service life, float or cyclic applications.
- ◆ Maintenance-free operation.
- ◆ Low self discharge.
- ◆ Case and cover available in both standard and flame retardant ABS.
- ◆ Suitable for UPS/EPS, medical equipment, emergency light and security system applications.



Conform to:
IEC60896-21&22

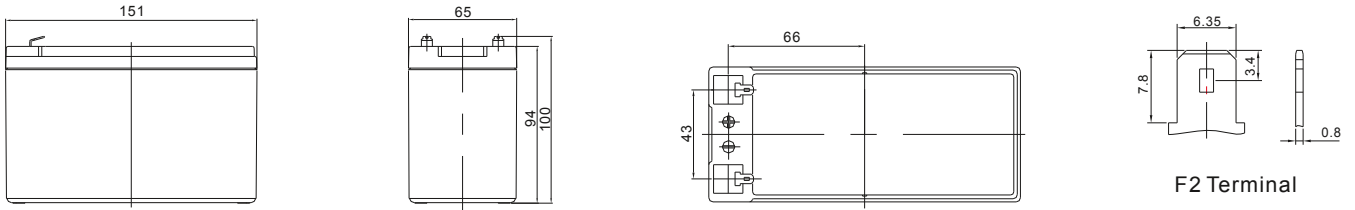
Discharge Constant Current (Amperes at 25°C)

F.V/TIME	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V/cell	34.15	24.13	17.45	10.020	5.499	3.376	2.538	2.049	1.698	1.093	0.887	0.469
1.65V/cell	31.75	22.80	16.68	9.619	5.310	3.268	2.460	1.994	1.654	1.080	0.877	0.461
1.70V/cell	28.65	20.99	15.62	9.195	5.137	3.161	2.393	1.939	1.611	1.064	0.863	0.456
1.75V/cell	25.67	19.22	14.54	8.788	4.950	3.050	2.321	1.890	1.570	1.049	0.852	0.450
1.80V/cell	22.54	17.40	13.42	8.400	4.760	2.941	2.250	1.835	1.530	1.031	0.841	0.446
1.85V/cell	17.89	14.22	11.14	7.234	4.270	2.695	2.080	1.706	1.426	0.968	0.792	0.423

Discharge Constant Current (Watts at 25°C)

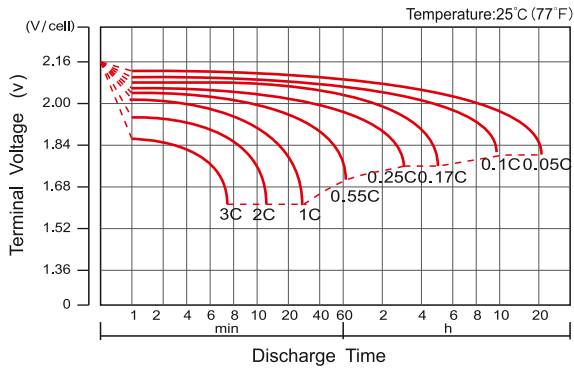
F.V/TIME	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V/cell	56.61	41.02	30.50	18.20	10.33	6.399	4.848	3.934	3.273	2.134	1.744	0.923
1.65V/cell	53.25	39.51	29.59	17.66	10.04	6.225	4.718	3.842	3.200	2.114	1.726	0.909
1.70V/cell	49.14	37.04	28.13	17.04	9.770	6.053	4.610	3.751	3.127	2.087	1.702	0.899
1.75V/cell	45.00	34.52	26.56	16.46	9.470	5.868	4.491	3.669	3.059	2.062	1.681	0.890
1.80V/cell	40.35	31.79	24.87	15.89	9.161	5.687	4.369	3.577	2.991	2.031	1.662	0.882
1.85V/cell	32.71	26.44	20.93	13.82	8.267	5.239	4.057	3.337	2.798	1.911	1.567	0.838

Dimensions

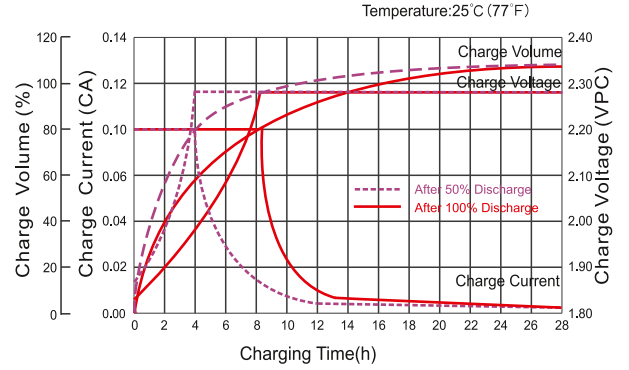


F2 Terminal

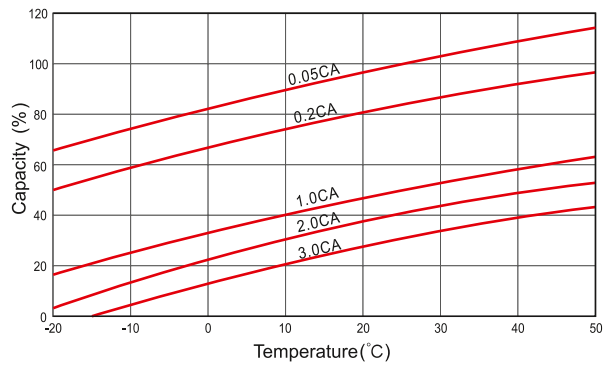
Discharge Characteristics



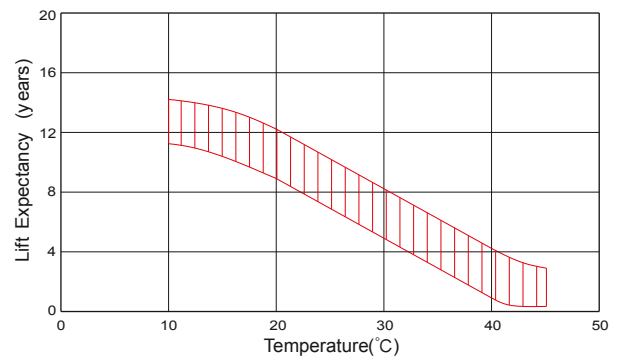
Float Charging Characteristics



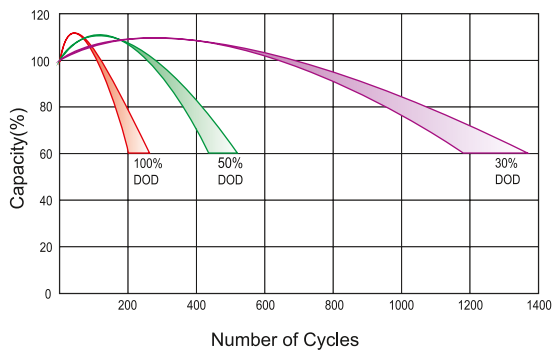
Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics

