



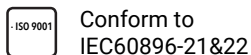
SBL9-12L (12V9Ah)



Applications

- Uninterruptable Power Supply (UPS)
- Electric Power System (EPS)
- Emergency backup power supply
- Emergency light
- Railway signal
- Alarm and security system
- Communication power supply
- DC power supply

Certificates



Conform to IEC60896-21&22

Specifications

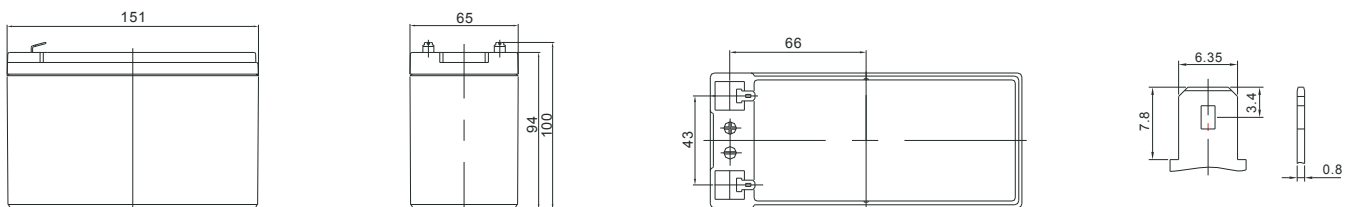
Nominal Voltage	12V	Operating Temp. Range	Discharge: -20~50°C
Nominal Capacity	9Ah (C ₂₀ , 10.5V)		Charge: -10~50°C
Approx. Weight	2.55kg		Storage: -20~50°C
Terminal	T2	Cycle Use	Initial Charging Current less than 2.7A.
Container Material	ABS UL94 HB		Voltage 14.55V +1% at 20°C.
Rated Capacity (20°C)	9.00Ah/0.45A, 20hr, 10.5V		Temperature Coefficient -30mV/°C.
	8.41Ah/0.84A, 10hr, 10.8V	Standby Use	No limit on Initial Charging Current.
	8.39/1.04A, 8hr, 10.5V		Voltage 13.65V +1% at 20°C.
	7.85Ah/1.57A, 5hr, 10.5V		Temperature Coefficient -20mV/°C.
	6.96Ah/2.32A, 3hr, 10.5V	Capacity affected by Temp.	40°C 103%
	4.95Ah/4.950A, 1hr, 10.5V		25°C 100%
Max. Discharge Current	90A (5s)		0°C 86%
Internal Resistance / Impedance (1kHz)	Approx. 21mΩ	Self Discharge	SSB batteries may be stored for up to 6 months at 20°C and then a freshening charge is required. For higher temperatures the time interval will be shorter.
Nominal Oper. Temp. R.	20±3°C	Life Expectancy	10-12 years according to EUROBAT



Dimensions

■ T2 Terminal

Unit: mm | Dimensions: 151 Length X 65 Width X 94 Height (100 Height incl. Terminal)



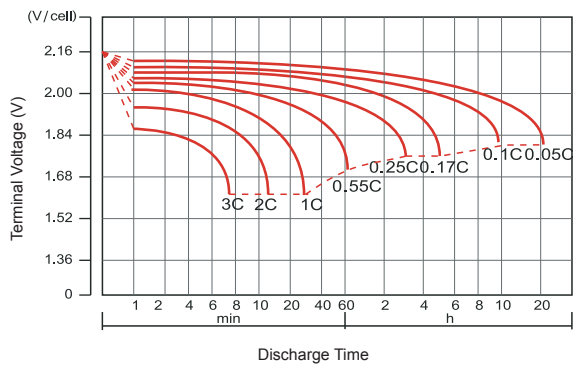
Constant Current Discharge (Amperes) at 20°C

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

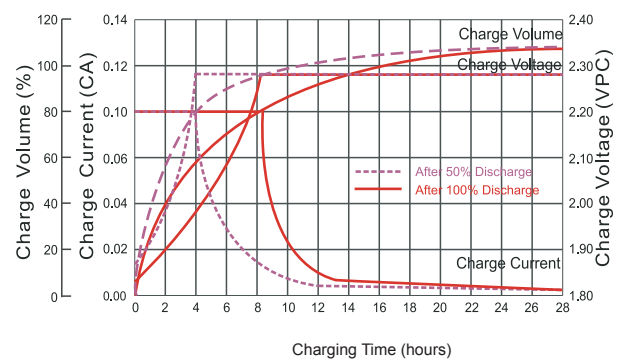
Constant Power Discharge (Watts/cell) at 20°C

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

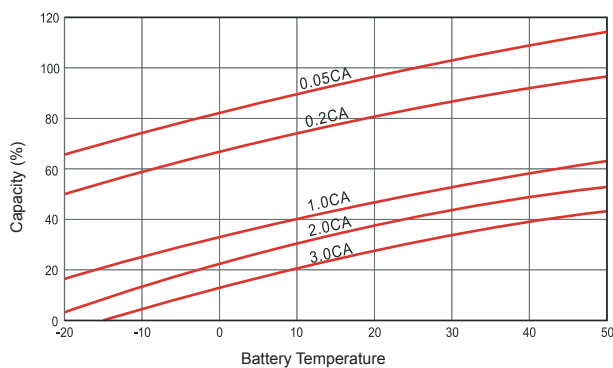
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life

