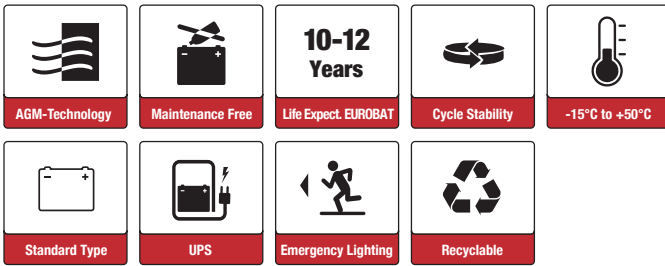




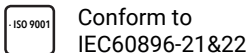
SBL9-12L (12V9Ah)



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



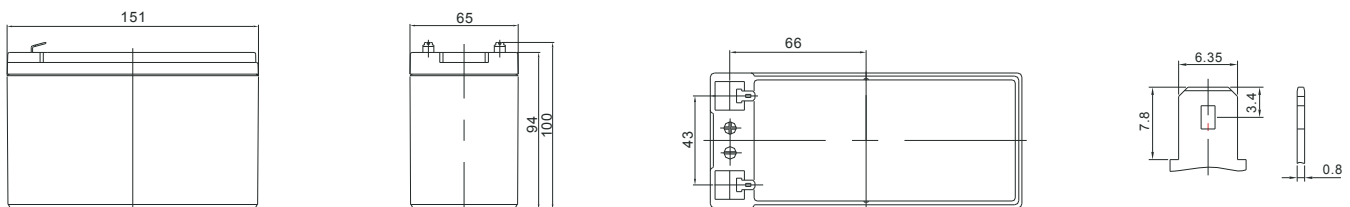
Specifications

Nominal Voltage	12V	Operating Temp. Range	Discharge:	-15~50°C
Nominal Capacity	9Ah (C ₂₀ * 10.8V)		Charge:	-20~40°C
Approx. Weight	2.5kg		Storage:	-15~40°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, 10.8V		Temperature Coefficient -30mV/°C.	
	8.50Ah/0.85A, 10hr, 10.8V	Standby Use	No limit on Initial Charging Current.	
	8.10Ah/1.62A, 5hr, 10.5V		Voltage 13.74V +1% at 20°C.	
	7.77Ah/2.59A, 3hr, 10.5V		Temperature Coefficient -20mV/°C.	
	6.71Ah/6.71A, 1hr, 10.5V	Capacity affected by Temp.	40°C	103%
Max. Discharge Current	500A (1s)		20°C	100%
	240A (5s)		0°C	86%
Internal Resistance / Impedance (1kHz)	Approx. 15mΩ	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±2°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)



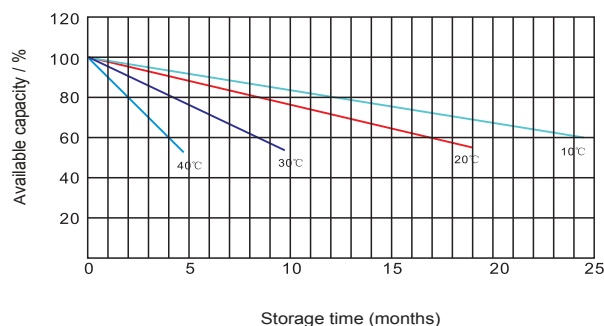
Constant Current Discharge (Amperes) at 20°C

F.V/Time	2min	5min	10min	15min	30min	45min	60min	90min	3h	5h	8h	10h	20h
1.60V/cell	92.37	48.41	28.89	21.14	12.18	8.73	6.86	4.86	2.65	1.67	1.08	0.88	0.46
1.65V/cell	87.21	47.11	28.51	20.97	12.13	8.71	6.85	4.85	2.64	1.67	1.08	0.88	0.46
1.70V/cell	75.17	44.29	27.84	20.74	12.13	8.71	6.84	4.83	2.61	1.64	1.06	0.86	0.45
1.75V/cell	66.40	41.70	26.98	20.33	12.02	8.65	6.80	4.80	2.59	1.62	1.05	0.86	0.45
1.80V/cell	57.82	38.47	25.66	19.58	11.76	8.51	6.71	4.74	2.56	1.60	1.04	0.85	0.45

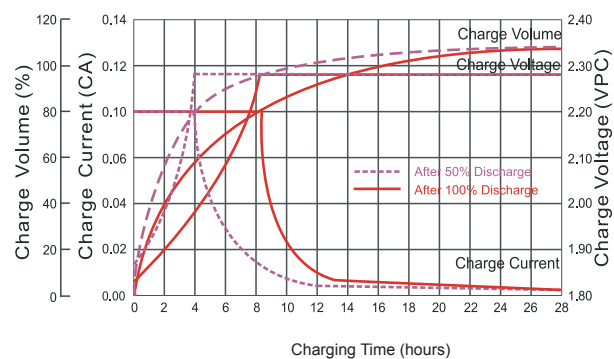
Constant Power Discharge (Watts/cell) at 20°C

F.V/Time	2min	5min	10min	15min	30min	45min	60min	90min	3h	5h	8h	10h	20h
1.60V/cell	153.31	89.76	53.65	39.51	23.13	17.14	13.27	9.68	5.03	3.31	1.98	1.60	0.89
1.65V/cell	149.14	90.30	52.79	38.56	22.87	17.09	12.98	9.66	5.06	3.30	1.96	1.59	0.88
1.70V/cell	139.11	81.50	52.40	39.33	23.39	17.09	13.30	9.62	5.08	3.28	1.91	1.56	0.88
1.75V/cell	120.16	79.10	51.08	38.68	23.33	17.00	13.12	9.54	5.09	3.25	1.88	1.53	0.87
1.80V/cell	106.99	72.96	48.80	37.57	23.09	16.80	13.07	9.47	5.10	3.23	1.84	1.49	0.85

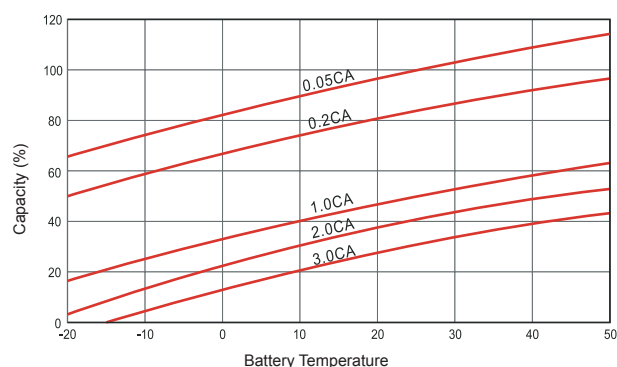
Self Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life

