



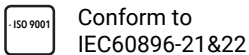
# SBL9-12L (12V9Ah)



## 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

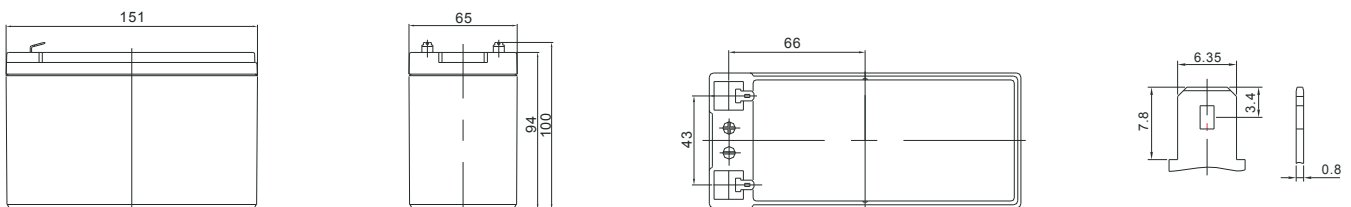
<b>Nominal Voltage</b>	12V	<b>Operating Temp. Range</b>	Discharge: -20~50°C
<b>Nominal Capacity</b>	9Ah (C <sub>20</sub> <sup>1</sup> 10.5V)		Charge: -10~50°C
<b>Approx. Weight</b>	2.5kg		Storage: -20~50°C
<b>Terminal</b>	T2	<b>Cycle Use</b>	Initial Charging Current less than 2.7A.
<b>Container Material</b>	ABS UL94 HB		Voltage 14.55V +1% at 20°C.
<b>Rated Capacity (20°C)</b>	9.00Ah/0.45A, 20hr, 10.5V		Temperature Coefficient -30mV/°C.
	8.60Ah/0.86A, 10hr, 10.5V	<b>Standby Use</b>	No limit on Initial Charging Current.
	7.85Ah/1.57A, 5hr, 10.5V		Voltage 13.65V +1% at 20°C.
	7.17Ah/2.39A, 3hr, 10.5V		Temperature Coefficient -20mV/°C.
	6.66Ah/6.660A, 1hr, 10.5V	<b>Capacity affected by Temp.</b>	40°C 103%
<b>Max. Discharge Current</b>	135A (5s)		25°C 100%
<b>Internal Resistance / Impedance (1kHz)</b>	Approx. 17mΩ		0°C 86%
<b>Nominal Oper. Temp. R.</b>	20±3°C	<b>Self Discharge</b>	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.
		<b>Life Expectancy</b>	10-12 years according to EUROBAT



## Dimensions

### ■ T2 Terminal

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



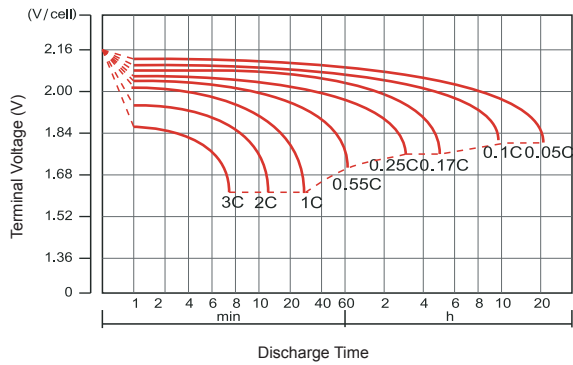
### Constant Current Discharge (Amperes) at 20°C

F.V/Time	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V/cell	36.1	25.2	19.3	11.6	6.66	2.59	1.62	0.88	0.47
1.65V/cell	34.6	24.3	18.5	11.1	6.42	2.53	1.61	0.87	0.47
1.70V/cell	33.1	23.3	17.7	10.5	6.18	2.46	1.59	0.87	0.46
1.75V/cell	31.6	22.2	16.9	9.86	5.94	2.39	1.57	0.86	0.45
1.80V/cell	30.0	21.2	16.1	9.21	5.68	2.32	1.55	0.85	0.44

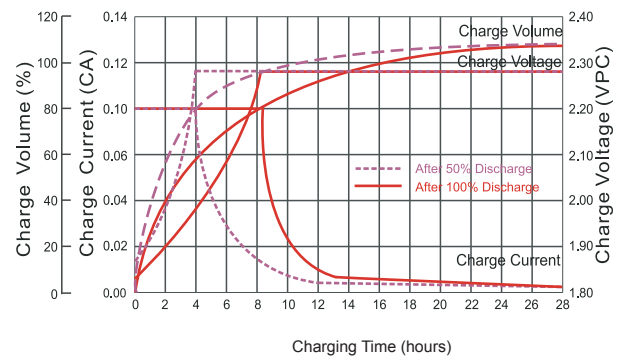
### Constant Power Discharge (Watts/cell) at 20°C

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V/cell	74.1	47.2	35.1	21.5	15.9	12.4	6.85	4.84	3.27
1.65V/cell	70.5	45.6	34.0	20.8	15.3	12.0	6.72	4.79	3.24
1.70V/cell	66.9	43.9	32.9	20.0	14.7	11.5	6.59	4.74	3.21
1.75V/cell	63.3	42.2	31.8	19.2	14.1	11.0	6.46	4.69	3.18
1.80V/cell	59.7	40.5	30.7	18.4	13.5	10.5	6.32	4.64	3.15

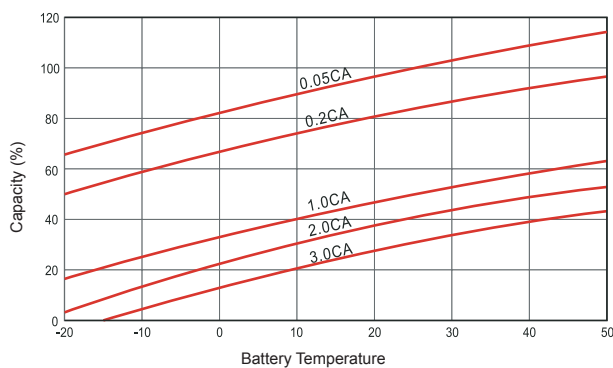
### Discharge Characteristics



### Float Charging Characteristics



### Temperature Effects in Relation to Battery Capacity



### Effect of Temperature on Long Term Float Life

