



SBL12-12L (12V12Ah)



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

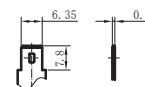
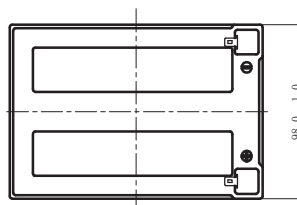
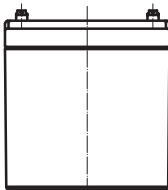
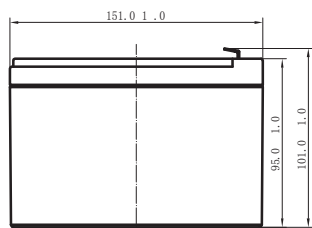
Nominal Voltage	12V
Nominal Capacity	12.0Ah (C ₂₀ , 10.5V)
Approx. Weight	3.67kg
Terminal	T2
Container Material	ABS UL94 HB/UL94 V0
Rated Capacity (20°C)	12Ah/0.60A, 20hr, 10.5V 11.4Ah/1.14A, 10hr, 10.5V 11.04Ah/1.38A, 8hr, 10.5V 10.25Ah/2.05A, 5hr, 10.5V 9.27Ah/3.09A, 3hr, 10.5V 8.14Ah/8.14A, 1hr, 9.6V
Max. Discharge Current	180A (5s)
Internal Resistance / Impedance (1kHz)	Approx. 19mΩ

Nominal Oper. Temp. R.	20±3°C
Operating Temp. Range	Discharge: -20~50°C Charge: -10~50°C Storage: -20~50°C
Standby Use	No limit on Initial Charging Current. Voltage 2.295 V/cell at 20° C. Temperature Coefficient 3mV/cell/°C.
Capacity affected by Temp.	40°C 103% 25°C 100% 0°C 86%
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.
Life Expectancy	10-12 years according to EUROBAT

Dimensions

■ T2 Terminal

Unit: mm | Dimensions: 151 Length X 98 Width X 95 Height (101 Height incl. Terminal)



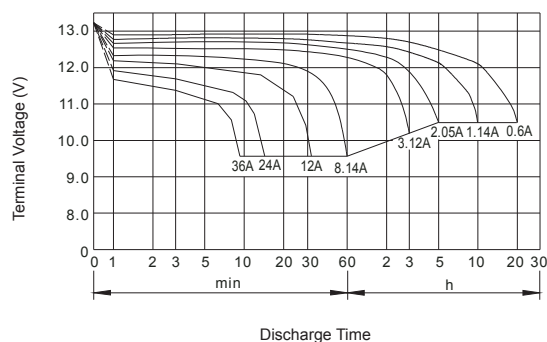
Constant Current Discharge (Amperes) at 20°C

End Point	5min	10min	15min	30min	1h	1.5h	3h	5h	8h	10h	20h
1.60V/cell	46.4	31.7	24.8	13.8	8.14	6	3.18	2.12	1.42	1.18	0.61
1.65V/cell	45.0	30.8	24.3	13.5	8.04	5.93	3.15	2.10	1.41	1.17	0.61
1.70V/cell	43.5	29.9	23.7	13.3	7.94	5.86	3.12	2.07	1.4	1.16	0.61
1.75V/cell	42.1	29.0	23.2	13.0	7.85	5.79	3.09	2.05	1.38	1.14	0.60
1.80V/cell	40.6	28.2	22.6	12.7	7.75	5.72	3.06	2.02	1.35	1.12	0.59

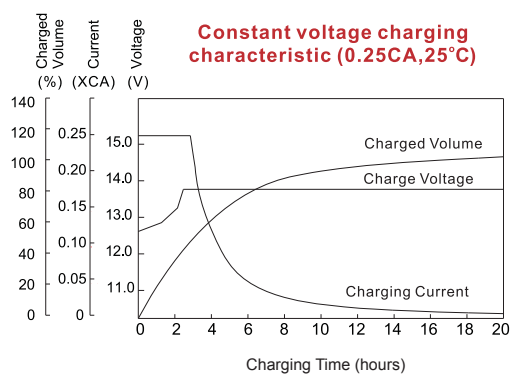
Constant Power Discharge (Watts/cell) at 20°C

End Point	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	5h	8h
1.60V/cell	86.2	58.7	46.7	27.0	20.6	16.1	11.6	8.50	6.50	4.20	2.23
1.65V/cell	84.1	57.7	46.0	26.6	20.4	16.0	11.5	8.42	6.44	4.17	2.21
1.70V/cell	81.9	56.6	45.3	26.2	20.1	15.8	11.4	8.33	6.37	4.14	2.19
1.75V/cell	79.8	55.6	44.6	25.8	19.9	15.7	11.3	8.25	6.31	4.11	2.18
1.80V/cell	77.6	54.6	43.9	25.4	19.6	15.5	11.2	8.16	6.24	4.08	2.16

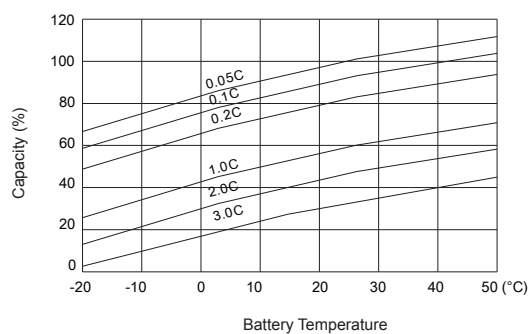
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life

