



SBL7.2-12L (12V7.2Ah)



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

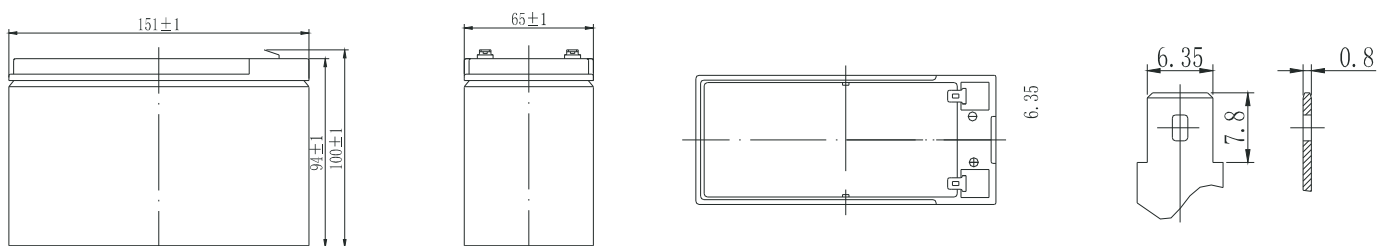
Nominal Voltage	12V	Nominal Oper. Temp. R.	20±3°C
Nominal Capacity	7.2Ah (C ₂₀ 10.5V)	Operating Temp. Range	Discharge: -20~50°C Charge: -10~50°C Storage: -20~50°C
Approx. Weight	2.20kg	Standby Use	Initial Charging Current less than 2.88A. Voltage 2.295 V/cell at 20 °C Temperature Coefficient -20mV/°C
Terminal	T2	Capacity affected by Temp.	40°C 103% 25°C 100% 0°C 86%
Container Material	ABS UL94 HB	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.
Rated Capacity (20°C)	7.2Ah/0.36A, 20hr, 10.5V 6.9Ah/0.69A, 10hr, 10.5V 6.4Ah/0.80A, 8hr, 10.5V 5.8Ah/1.16A, 5hr, 10.5V 5.07Ah/1.69A, 3hr, 10.5V 4.8Ah/4.8A, 1hr, 9.6V	Life Expectancy	10-12 years according to EUROBAT
Max. Discharge Current	105A (5s)		
Internal Resistance / Impedance (1kHz)	Approx. 28mΩ		



Dimensions

■ T2 Terminal

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



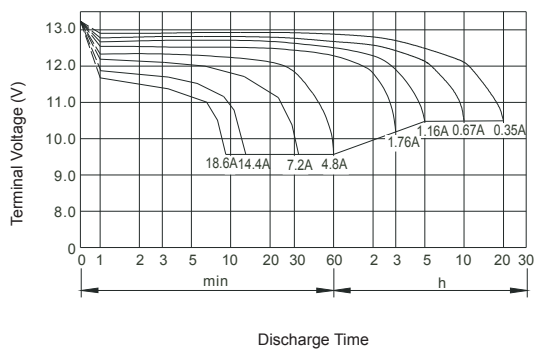
Constant Current Discharge (Amperes) at 20°C

End Point	5min	10min	15min	30min	1h	1.5h	3h	5h	8h	10h	20h
1.60V/cell	30.0	18.8	15.3	8.50	4.80	3.54	1.88	1.25	0.85	0.71	0.38
1.65V/cell	28.4	17.9	14.6	8.15	4.63	3.42	1.82	1.20	0.83	0.70	0.38
1.70V/cell	26.8	17.0	13.9	7.86	4.44	3.28	1.76	1.16	0.81	0.70	0.37
1.75V/cell	25.2	16.0	13.2	7.56	4.25	3.15	1.69	1.12	0.8	0.69	0.36
1.80V/cell	23.5	15.1	12.5	7.18	4.04	3.02	1.64	1.10	0.78	0.67	0.35

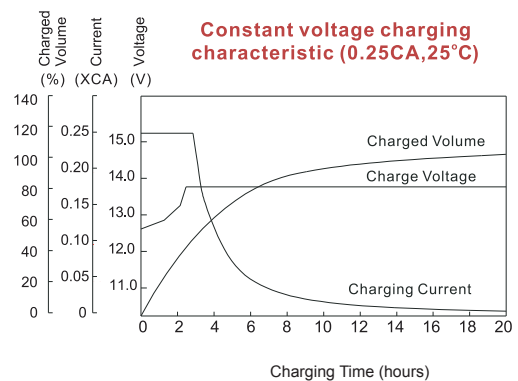
Constant Power Discharge (Watts/cell) at 20°C

End Point	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	5h	8h
1.60V/cell	53.3	35.8	28.1	15.5	11.8	9.30	6.8	5.13	3.68	2.38	1.26
1.65V/cell	50.7	34.0	27.0	14.9	11.3	8.90	6.6	5.02	3.59	2.34	1.24
1.70V/cell	48.1	32.2	25.9	14.3	10.8	8.53	6.3	4.89	3.49	2.30	1.22
1.75V/cell	45.6	30.4	24.8	13.7	10.4	8.28	6.1	4.73	3.38	2.25	1.19
1.80V/cell	43.1	28.6	23.8	13.2	10.0	7.90	5.9	4.58	3.27	2.19	1.16

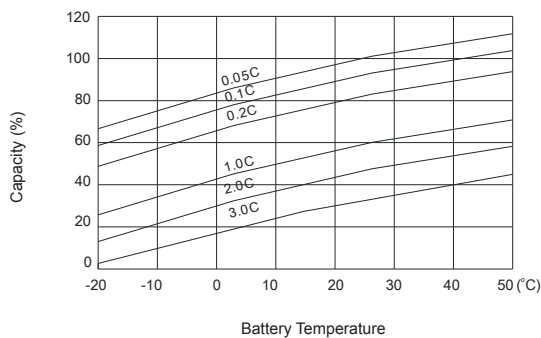
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life

