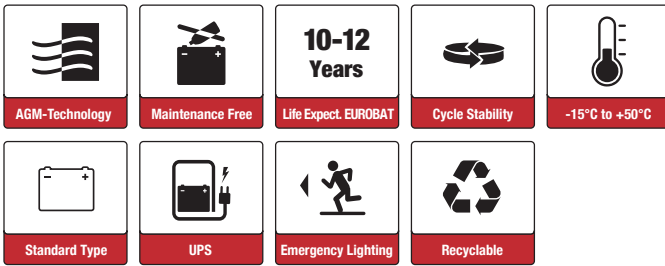




SBL7.2-12L ES (12V7.2Ah)

Item Nr.: SSB2037970



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

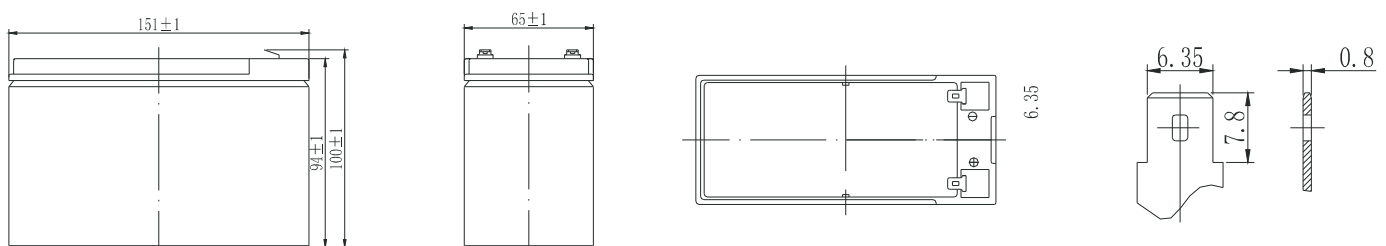
Nominal Voltage	12V	Operating Temp. Range	Discharge: -15~50°C
Nominal Capacity	7.2Ah (C ₂₀ 10.5V)		Charge: -15~45°C
Approx. Weight	2.20kg		Storage: 5~30°C
Terminal	T2	Float Charge	2.277V/cell@20°C, 2.260V/cell @25°C
Container Material	ABS UL94 HB		Charging Current: 0.1-0.3C
Rated Capacity (20°C)	7.0Ah/0.35A, 20hr, 10.8V 6.7Ah/0.67A, 10hr, 10.5V 6.15Ah/1.23A, 5hr, 10.5V 5.07Ah/1.69A/3hr, 10.5V 4.6Ah/4.6A/1hr, 9.6V	Boost Charge	2.367V/cell@20°C, 2.350V/cell@25°C
Max. Discharge Current	105A (5s)		Charging Current: 0.1-0.3C
Internal Resistance / Impedance (1kHz)	Approx. 28mΩ	Self Discharge	Temperature Coefficient: 3mV/cell/°C
Nominal Oper. Temp. R.	20±2°C		SSB batteries may be stored for up to 6 months at 20°C (self-discharge per month ≤3%) and then a freshening charge is required. For higher temperatures the time interval will be shorter.
		Life Expectancy	10-12 years according to EUROBAT (Long Life)



Dimensions

■ T2 Terminal

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



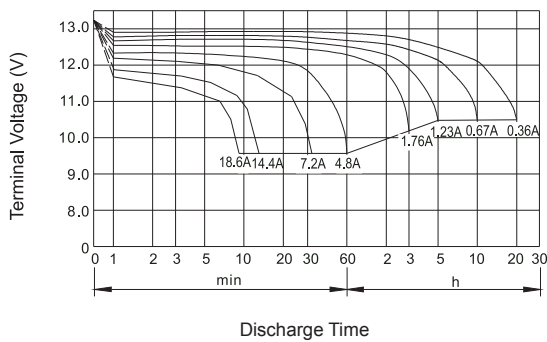
Constant Current Discharge (Amperes) at 20°C

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	10h	20h
1.60V/cell	30.0	18.8	15.3	8.50	6.48	4.60	2.66	1.88	1.26	0.69	0.38
1.65V/cell	28.4	17.9	14.6	8.15	6.25	4.52	2.57	1.82	1.25	0.68	0.38
1.70V/cell	26.8	17.0	13.9	7.86	6.02	4.44	2.48	1.76	1.24	0.68	0.37
1.75V/cell	25.2	16.0	13.2	7.56	5.75	4.25	2.39	1.69	1.23	0.67	0.36
1.80V/cell	23.5	15.1	12.5	7.18	5.46	4.04	2.31	1.64	1.19	0.66	0.35

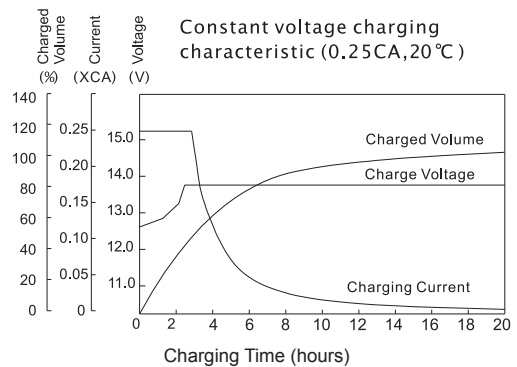
Constant Power Discharge (Watts/cell) at 20°C

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	10h	20h
1.60V/cell	53.3	35.8	28.1	15.5	11.8	9.30	5.13	3.68	2.50	1.26	0.67
1.65V/cell	50.7	34.0	27.0	14.9	11.3	8.90	5.02	3.59	2.48	1.25	0.64
1.70V/cell	48.1	32.2	25.9	14.3	10.8	8.53	4.89	3.49	2.47	1.24	0.63
1.75V/cell	45.6	30.4	24.8	13.7	10.4	8.28	4.73	3.38	2.45	1.23	0.61
1.80V/cell	43.1	28.6	23.8	13.2	10.0	7.90	4.58	3.27	2.38	1.22	0.57

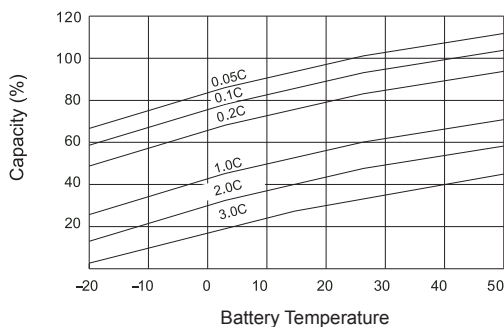
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life

