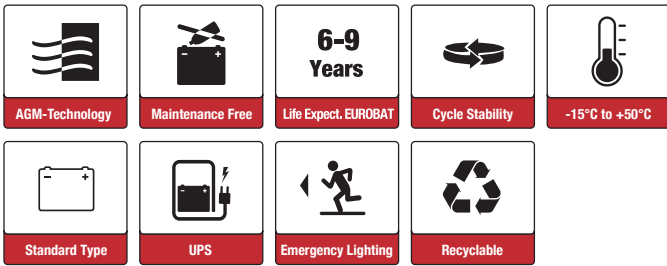




SBL5-12L ES (12V5Ah)

Item Nr.: SSB2037979



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

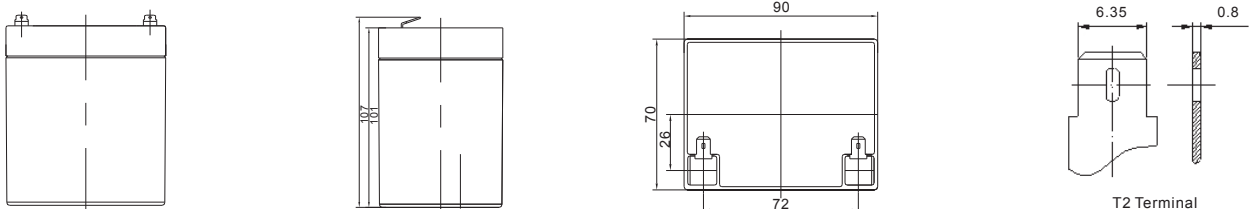


<p>Nominal Voltage 12V</p> <p>Nominal Capacity 5Ah (C₂₀ 10.8V)</p> <p>Approx. Weight 1.72kg</p> <p>Terminal T2</p> <p>Container Material ABS UL94 HB</p> <p>Rated Capacity (20°C) 5.0Ah/0.25A, 20hr, 10.5V 4.7Ah/0.47A, 10hr, 10.5V 4.40Ah/0.88A, 5hr, 10.5V 2.76Ah/0.92A, 3hr, 10.5V 3.98Ah/3.98A, 1hr, 9.6V</p> <p>Max. Discharge Current 75A (5s)</p> <p>Internal Resistance / Impedance (1kHz) Approx. 35mΩ</p> <p>Nominal Oper. Temp. R. 20±2°C</p>	<p>Operating Temp. Range Discharge: -15~50°C Charge: -15~45°C Storage: 5~30°C</p> <p>Float Charge 2.277V/cell@20°C, 2.260V/cell @25°C Charging Current: 0.1-0.3C Temperature Coefficient: 3mV/cell/°C</p> <p>Boost Charge 2.367V/cell@20°C, 2.350V/cell@25°C Charging Current: 0.1-0.3C Temperature Coefficient: 3mV/cell/°C</p> <p>Self Discharge 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.</p> <p>Life Expectancy 6-9 years according to EUROBAT (General Purpose)</p>
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Dimensions

■ T2 Terminal

Unit: mm | Dimensions: 90 Length X 70 Width X 101 Height (107 Height incl. Terminal)



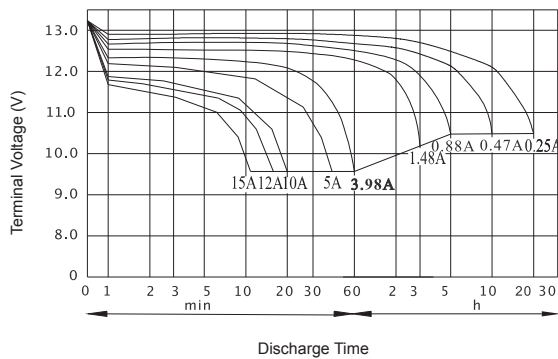
Constant Current Discharge (Amperes) at 20°C

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	10h	20h
1.60V/cell	27.0	19.6	13.6	8.00	5.50	3.98	2.6	1.23	0.98	0.51	0.28
1.65V/cell	25.5	18.7	12.3	7.65	4.87	3.68	2.3	1.01	0.96	0.49	0.27
1.70V/cell	23.3	17.6	11.5	7.45	4.32	3.44	2.2	0.96	0.92	0.48	0.26
1.75V/cell	22.1	16.5	10.6	7.32	3.86	3.12	2.0	0.92	0.88	0.47	0.25
1.80V/cell	21.1	15.3	9.8	6.89	3.52	2.89	1.9	0.88	0.84	0.46	0.25

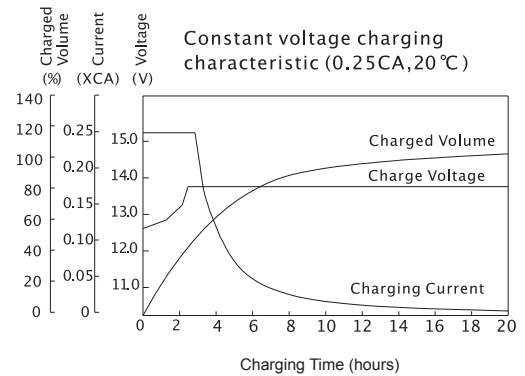
Constant Power Discharge (Watts/cell) at 20°C

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	10h	20h
1.60V/cell	43.3	31.6	23.5	13.8	9.17	7.10	4.95	2.80	2.10	1.05	0.46
1.65V/cell	41.8	29.1	22.0	12.8	8.20	6.99	4.75	2.51	1.98	0.99	0.45
1.70V/cell	39.1	27.4	20.5	11.8	8.01	6.45	4.34	2.23	1.67	0.84	0.45
1.75V/cell	35.4	25.5	18.9	10.3	7.98	6.32	4.24	2.16	1.43	0.72	0.43
1.80V/cell	32.2	23.1	16.5	9.87	7.65	6.10	4.09	2.08	1.24	0.62	0.42

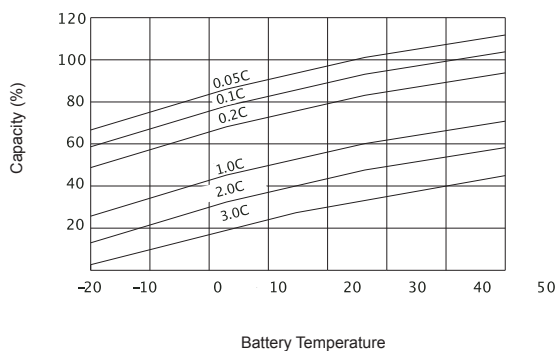
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life

