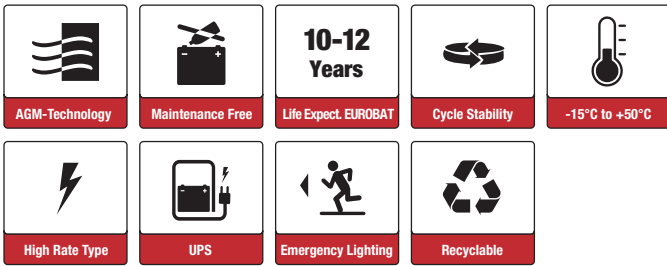




SBL85-12HR (12V2107W)



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



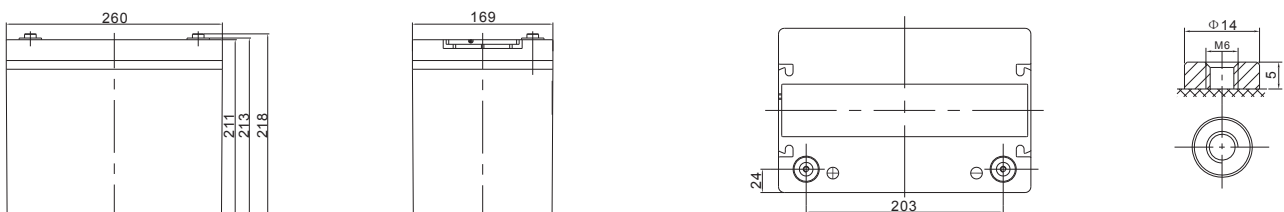
Specifications

Nominal Voltage	12V	Operating Temp. Range	Discharge: -20~50°C
Nominal Capacity	75.6Ah (C ₁₀ , 9.6V)		Charge: -10~50°C
Approx. Weight	24.8kg		Storage: -20~50°C
Terminal	M6	Cycle Use	Initial Charging Current less than 22.5A.
Container Material	ABS UL94 HB		Voltage 14.7V +0.1V at 20°C.
Nominal Power	5 min 2590.8W		Temperature Coefficient -30mV/°C.
	10 min 2106.6W	Standby Use	No limit on Initial Charging Current.
	15 min 1770.6W		Voltage 13.7V +0.1V at 20°C.
Nominal Power	5 min 431.8W		Temperature Coefficient -20mV/°C.
	10 min 351.1W	Capacity affected by Temp.	40°C 103%
	15 min 295.1W		25°C 100%
Max. Discharge Current	750A (5s)		0°C 86%
Internal Resistance / Impedance (1kHz)	Approx. 6.0mΩ	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.
Nominal Oper. Temp. R.	20±3°C	Life Expectancy	10-12 years according to EUROBAT

Dimensions

■ M6 Terminal

Unit: mm | Dimensions: 260 Length X 169 Width X 211Height (218 Height incl. Terminal)





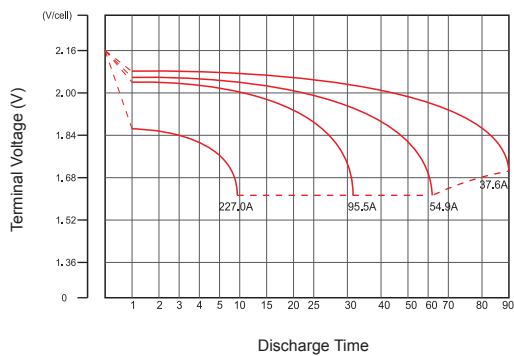
Constant Current Discharge (Amperes) at 20°C

F.V/Time	5min	8min	10min	15min	20min	30min	60min	90min	3h	5h	8h	10h
9.6V	235.0	203.8	186.7	154.8	126.1	92.91	53.77	38.59	19.99	13.70	9.16	7.56
10.0V	213.2	186.9	172.5	144.4	118.5	87.92	51.29	37.02	19.72	13.55	9.07	7.49
10.2V	204.2	179.6	166.3	140.0	115.2	85.80	50.27	36.30	19.37	13.34	8.94	7.39
10.5V	188.5	167.3	155.9	132.4	109.4	82.17	48.53	35.16	18.90	13.06	8.78	7.27
10.8V	172.7	155.0	145.5	125.3	104.3	78.69	46.78	34.01	18.28	12.68	8.56	7.10
11.1V	148.2	132.0	123.3	107.7	90.49	69.61	42.26	31.01	17.47	12.20	8.27	6.87

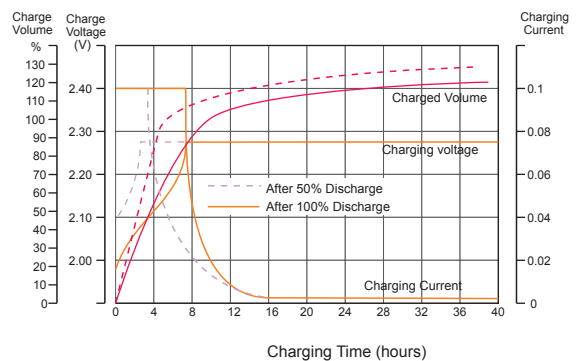
Constant Power Discharge (Watts/block) at 20°C

F.V/Time	5min	8min	10min	15min	20min	30min	60min	90min	3h	5h	8h	10h
9.6V	2590.8	2277.0	2106.6	1770.6	1453.8	1083.0	606.0	438.0	232.48	160.88	108.91	90.50
10.0V	2411.4	2136.0	1987.8	1680.0	1387.2	1038.6	583.2	423.6	230.80	159.84	108.15	89.84
10.2V	2332.2	2072.4	1932.6	1640.4	1357.2	1017.6	573.6	417.6	227.23	157.67	106.82	88.75
10.5V	2188.2	1958.4	1835.4	1569.6	1303.2	984.0	558.0	406.2	222.67	154.89	105.06	87.32
10.8V	2037.0	1838.4	1733.4	1500.0	1254.0	949.8	541.2	395.4	216.23	151.03	102.69	85.40
11.1V	1774.2	1587.6	1488.0	1303.8	1098.6	847.2	492.0	363.6	207.61	151.03	99.49	82.84

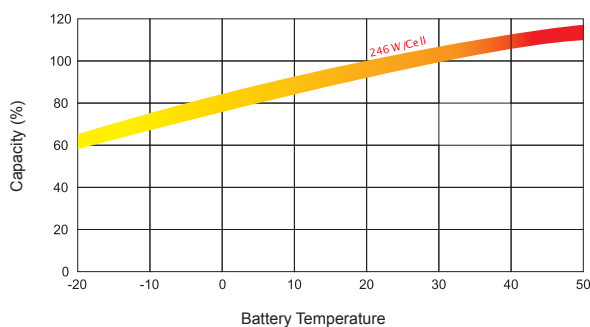
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life

