



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



Conform to
IEC60896-21&22

Specifications

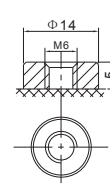
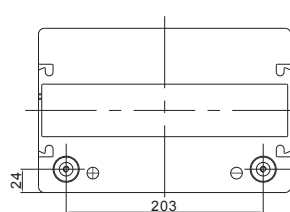
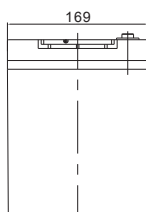
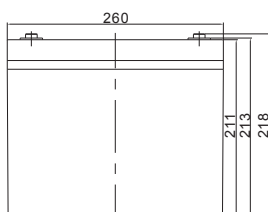
Nominal Voltage	12V
Nominal Capacity	75.6Ah (C ₁₀ , 9.6V)
Approx. Weight	24.8kg
Terminal	M6
Container Material	ABS UL94 HB
Nominal Power	5 min 2590.8W
(20°C/ 9.6V/Block)	10 min 2106.6W
	15 min 1770.6W
Nominal Power	5 min 431.8W
(20°C/ 1.6V/Cell)	10 min 351.1W
	15 min 295.1W
Max. Discharge Current	750A (5s)
Internal Resistance / Impedance (1kHz)	Approx. 6.0mΩ
Nominal Oper. Temp. R.	20±3°C

Operating Temp. Range	Discharge: -20~50°C
	Charge: -10~50°C
	Storage: -20~50°C
Cycle Use	Initial Charging Current less than 22.5A. Voltage 14.7V +0.1V at 20°C. Temperature Coefficient -30mV/°C.
Standby Use	No limit on Initial Charging Current. Voltage 13.7V +0.1V at 20°C. Temperature Coefficient -20mV/°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	>12 years according to EUROBAT

Dimensions

■ M6 Terminal

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



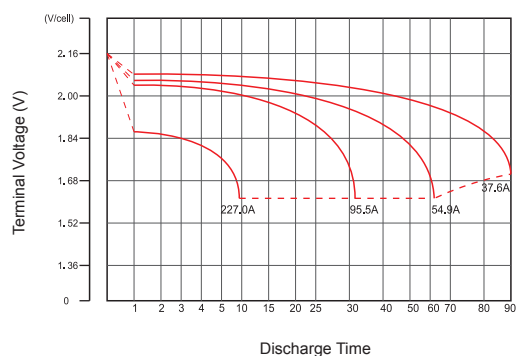
Constant Current Discharge (Amperes) at 20°C

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

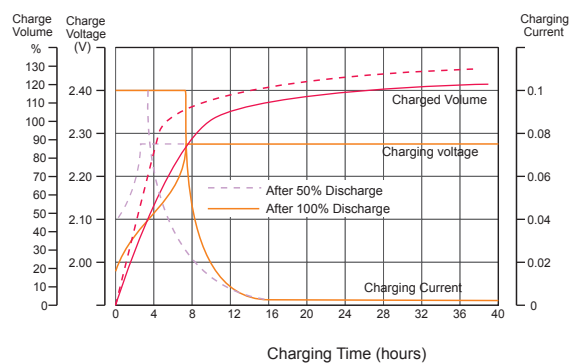
Constant Power Discharge (Watts/block) at 20°C

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

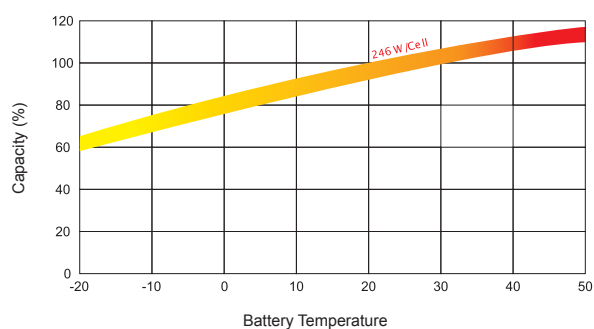
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life

