



SBL170-12HR (12V4336W)



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	151.2Ah (C ₁₀ , 9.6V)
Approx. Weight	46.0kg
Terminal	M8
Container Material	ABS UL94 HB
Nominal Power	5 min 5149.2W
(20°C/ 9.6V/Block)	10 min 4336.2W
	15 min 3604.8W
Nominal Power	5 min 858.2W
(20°C/ 1.6V/Cell)	10 min 722.7W
	15 min 600.8W
Max. Discharge Current	1500A (5s)
Internal Resistance / Impedance (1kHz)	Approx. 3.8mΩ

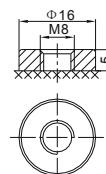
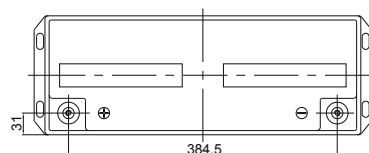
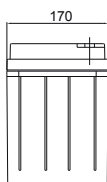
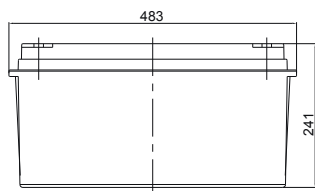
Nominal Oper. Temp. R.	20±3°C
Operating Temp. Range	Discharge: -20~50°C
	Charge: -10~50°C
	Storage: -20~50°C
Standby Use	No limit on Initial Charging Current.
	Voltage 2.295 V/cell at 20° C.
	Temperature Coefficient -20mV/°C.
Capacity affected by Temp.	40°C 103%
	25°C 100%
	0°C 86%
Self Discharge	SSB 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

■ M8 Terminal

Unit: mm | Dimensions: 483 Length X 170 Width X 241 Height (241 Height incl. Terminal)



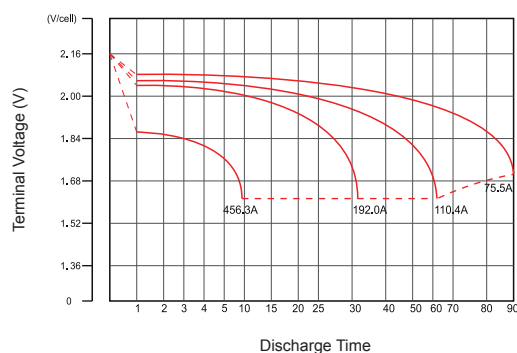
Constant Current Discharge (Amperes) at 20°C

F.V/Time	5min	8min	10min	15min	20min	30min	60min	90min	3h	5h	8h	10h
9.60V	467.1	414.9	384.2	315.2	256.7	189.2	109.5	78.6	39.97	27.41	18.31	15.12
10.0V	423.8	380.5	355.1	293.9	241.3	179.0	104.4	75.4	39.44	27.09	18.13	14.98
10.2V	405.8	365.7	342.3	285.0	234.5	174.7	102.4	73.9	38.73	26.67	17.88	14.79
10.5V	374.7	340.7	320.9	269.6	222.8	167.3	98.8	71.6	37.80	26.11	17.56	14.53
10.8V	343.3	315.5	299.5	255.1	212.3	160.2	95.2	69.3	36.56	25.37	17.12	14.19
11.1V	294.6	268.8	253.8	219.4	184.3	141.7	86.0	63.1	34.95	24.40	16.55	13.75

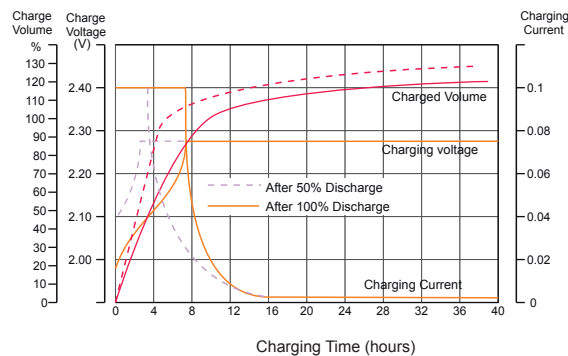
Constant Power Discharge (Watts/block) at 20°C

F.V/Time	5min	8min	10min	15min	20min	30min	60min	90min	3h	5h	8h	10h
9.6V	5149.2	4636.2	4336.2	3604.8	2959.8	2205.6	1233.6	892.2	511.23	353.6	239.35	199.46
10.0V	4792.8	4349.4	4092.0	3420.0	2824.8	2115.0	1187.4	862.8	508.56	351.3	238.15	241.28
10.2V	4635.0	4219.2	3978.0	3340.8	2763.6	2072.4	1167.6	850.2	500.87	347.2	232.3	194.15
10.5V	4349.4	3987.0	3778.2	3196.2	2652.6	2004.0	1135.8	827.4	490.72	339.4	230.8	191.94
10.8V	4048.2	3742.8	3567.6	3054.0	2553.0	1933.8	1102.2	804.6	475.40	331.0	225.26	187.56
11.1V	3526.2	3232.8	3063.0	2655.0	2236.8	1725.0	1002.0	740.4	456.65	321.2	218.92	182.12

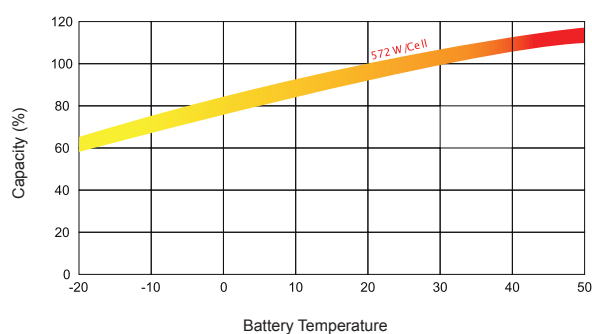
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life

