



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

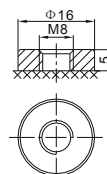
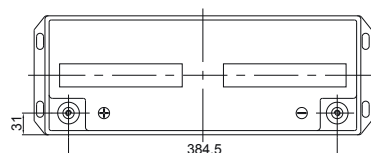
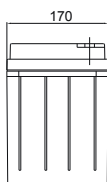
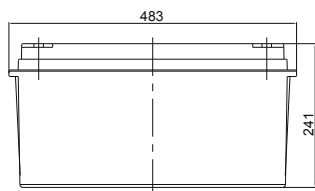
Nominal Voltage	12V	
Nominal Capacity	151.2Ah (C ₁₀ , 9.6V)	
Approx. Weight	46.0kg	
Terminal	M8	
Container Material	ABS UL94 HB	
Nominal Power (20°C/ 9.6V/Block)	5 min	5149.2W
	10 min	4336.2W
	15 min	3604.8W
Nominal Power (20°C/ 1.6V/Cell)	5 min	858.2W
	10 min	722.7W
	15 min	600.8W
Max. Discharge Current	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
Cycle Use	Initial Charging Current less than 45A.	
	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

■ M8 Terminal

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



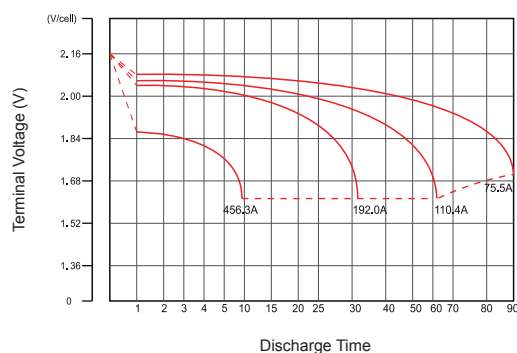
Constant Current Discharge (Amperes) at 20°C

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

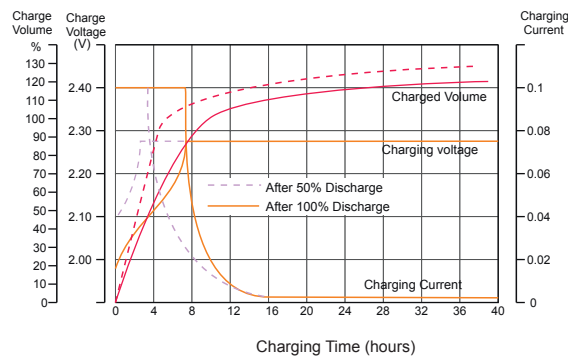
Constant Power Discharge (Watts/block) at 20°C

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

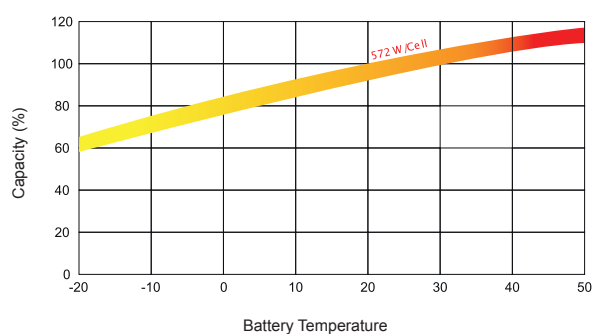
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life

