



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



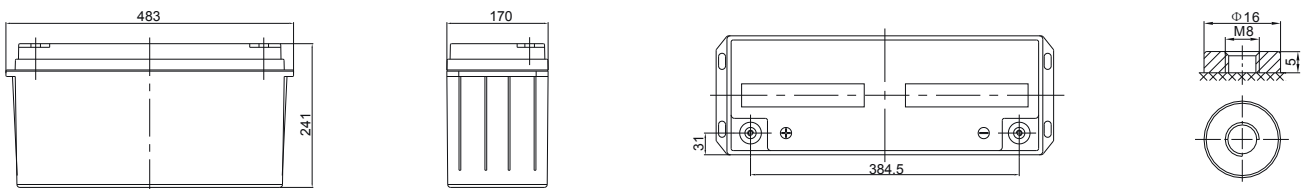
Specifications

Nominal Voltage	12V	Operating Temp. Range	Discharge: -20~50°C
Nominal Capacity	151.2Ah (C ₁₀ , 9.6V)		Charge: -10~50°C
Approx. Weight	46.0kg		Storage: -20~50°C
Terminal	M8	Cycle Use	Initial Charging Current less than 45A.
Container Material	ABS UL94 HB		Voltage 14.7V +0.1V at 20°C.
Nominal Power	5 min 5149.2W		Temperature Coefficient -30mV/°C.
	10 min 4336.2W	Standby Use	No limit on Initial Charging Current.
	15 min 3604.8W		Voltage 13.7V +0.1V at 20°C.
Nominal Power	5 min 858.2W		Temperature Coefficient -20mV/°C.
	10 min 722.7W	Capacity affected by Temp.	40°C 103%
	15 min 600.8W		25°C 100%
Max. Discharge Current	1500A (5s)		0°C 86%
Internal Resistance / Impedance (1kHz)	Approx. 3.8mΩ	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

■ M8 Terminal

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



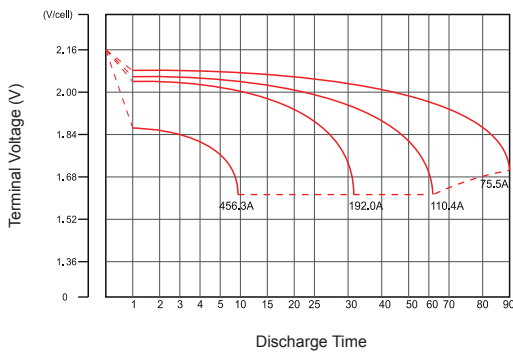
Constant Current Discharge (Amperes) at 20°C

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

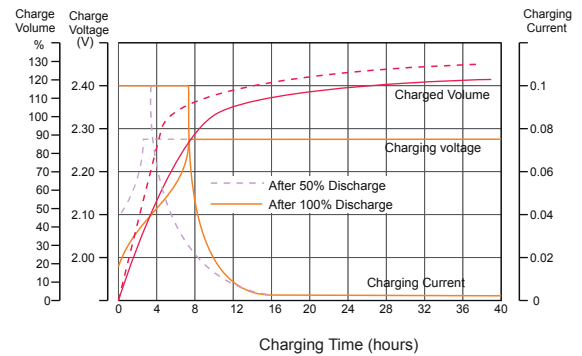
Constant Power Discharge (Watts/block) at 20°C

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

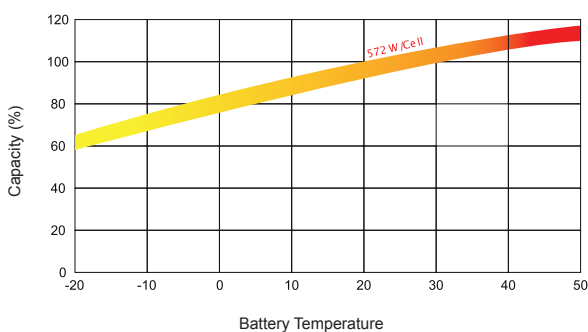
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life

