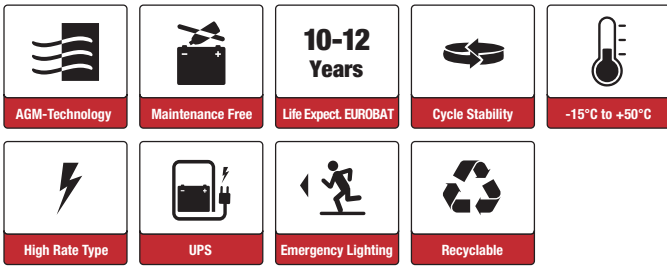


SBL240-12HR (12V5644W)



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



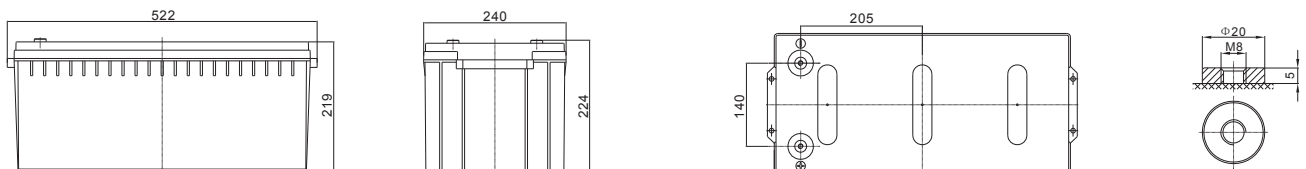
Specifications

Nominal Voltage	12V	Operating Temp. Range	Discharge: -20~50°C
Nominal Capacity	226.8Ah (C ₁₀ , 9.6V)		Charge: -10~50°C
Approx. Weight	63.5kg		Storage: -20~50°C
Terminal	M8	Cycle Use	Initial Charging Current less than 67.5A.
Container Material	ABS UL94 HB/UL94 V0		Voltage 14.7V +0.1V at 20°C.
Nominal Power	5 min 7602.0W		Temperature Coefficient -30mV/°C.
	10 min 5644.2W	Standby Use	No limit on Initial Charging Current.
	15 min 4363.8W		Voltage 13.7V +0.1V at 20°C.
Nominal Power	5 min 1267W		Temperature Coefficient -20mV/°C.
	10 min 940.7W	Capacity affected by Temp.	40°C 103%
	15 min 727.3W		25°C 100%
Max. Discharge Current	2250A (5s)		0°C 86%
Internal Resistance / Impedance (1kHz)	Approx. 3.0mΩ	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

■ M8 Terminal

Unit: mm | Dimensions: 522 Length X 240 Width X 219 Height (224 Height incl. Terminal)



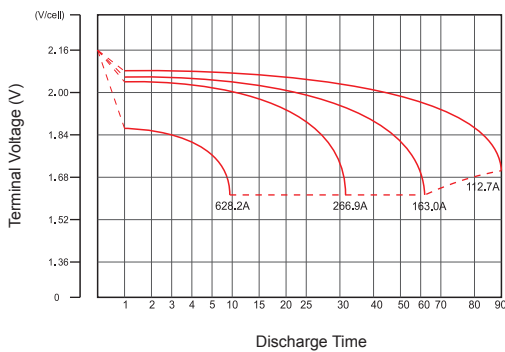
Constant Current Discharge (Amperes) at 20°C

F.V/Time	5min	8min	10min	15min	20min	30min	60min	90min	3h	5h	8h	10h
9.6V	689.5	570.8	500.1	381.6	310.7	229.0	132.5	95.1	59.96	41.11	27.47	22.68
10.0V	625.7	523.4	462.2	355.8	292.1	216.7	126.4	91.2	59.16	40.64	27.19	22.47
10.2V	599.1	503.1	445.6	345.0	283.9	211.5	123.9	89.5	58.10	40.01	26.83	22.18
10.5V	553.1	468.7	417.8	326.4	269.7	202.5	119.6	86.7	56.69	39.17	26.33	21.80
10.8V	506.8	434.0	389.9	308.8	257.0	194.0	115.3	83.8	54.84	38.05	25.68	21.29
11.1V	435.0	369.7	330.3	265.6	223.1	171.6	104.2	76.4	52.42	36.60	24.82	20.62

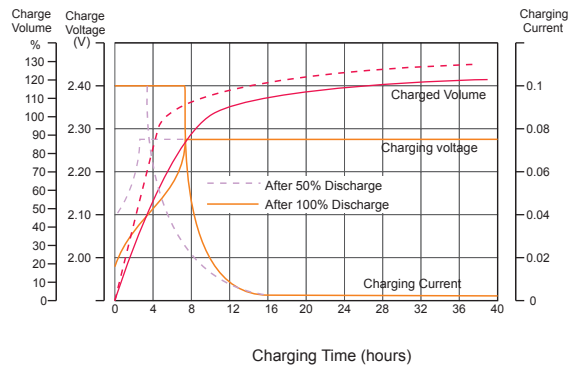
Constant Power Discharge (Watts/block) at 20°C

F.V/Time	5min	8min	10min	15min	20min	30min	60min	90min	3h	5h	8h	10h
9.6V	7602.0	6378.0	5644.2	4363.8	3583.2	2670.0	1493.4	1080.0	697.45	482.63	326.73	271.51
10.0V	7074.0	5983.8	5326.2	4140.0	3419.4	2560.2	1437.6	1044.0	692.41	479.51	324.44	269.51
10.2V	6840.0	5804.4	5178.0	4044.0	3345.6	2508.6	1413.6	1029.6	681.67	473.02	320.45	266.24
10.5V	6420.0	5485.2	4918.2	3869.4	3211.8	2425.8	1375.2	1002.0	667.99	464.67	315.17	261.97
10.8V	5976.6	5148.6	4644.0	3697.2	3090.6	2341.2	1333.8	974.4	648.68	453.10	308.08	256.19
11.1V	5206.2	4447.2	3987.0	3213.6	2707.8	2088.0	1213.2	896.4	622.81	437.20	298.47	248.53

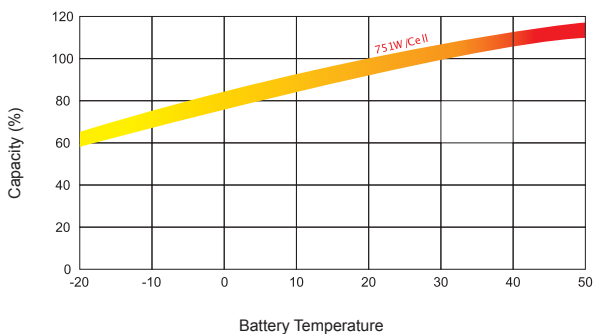
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life

