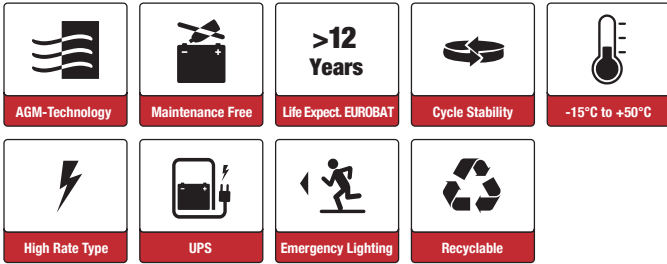


SBL240-12HR (12V5644W)



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

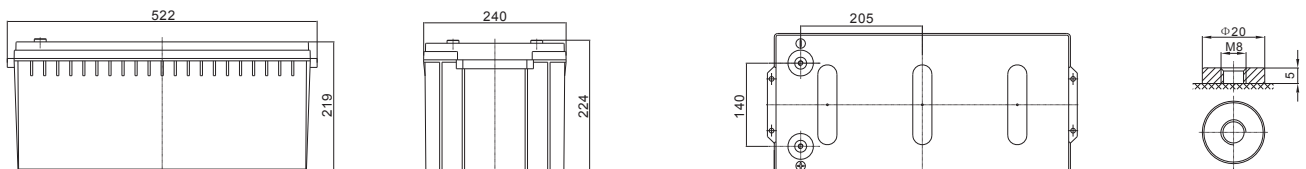
Nominal Voltage	12V	Nominal Oper. Temp. R.	20±3°C
Nominal Capacity	226.8Ah (C ₁₀ , 9.6V)	Operating Temp. Range	Discharge: -20~50°C Charge: -10~50°C Storage: -20~50°C
Approx. Weight	63.5kg	Standby Use	No limit on Initial Charging Current. Voltage 2.295 V/cell at 20° C. Temperature Coefficient -20mV/°C.
Terminal	M8	Capacity affected by Temp.	40°C 103% 25°C 100% 0°C 86%
Container Material	ABS UL94 HB/UL94 V0	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 Power	5 min 7602.0W (20°C / 9.6V/Block) 10 min 5644.2W 15 min 4363.8W	Life Expectancy	>12 years according to EUROBAT
Nominal Power	5 min 1267W (20°C / 1.6V/Cell) 10 min 940.7W 15 min 727.3W		
Max. Discharge Current	2250A (5s)		
Internal Resistance / Impedance (1kHz)	Approx. 3.0mΩ		



Dimensions

■ M8 Terminal

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



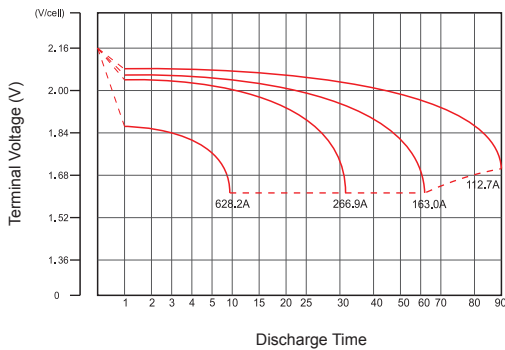
Constant Current Discharge (Amperes) at 20°C

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

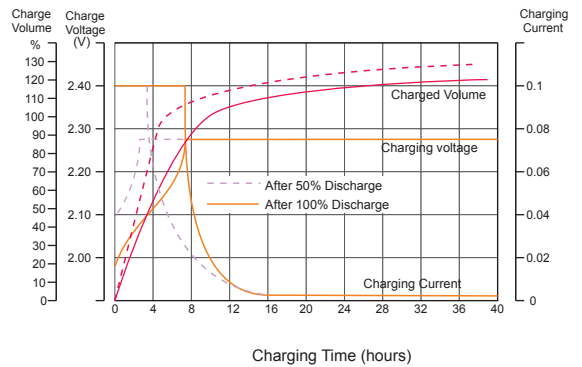
Constant Power Discharge (Watts/block) at 20°C

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

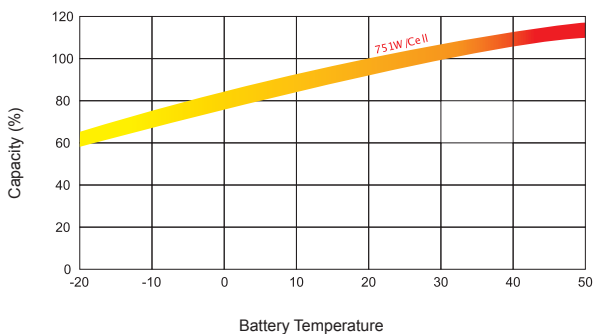
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life

