



SBL125-12HR (12V3046W)



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



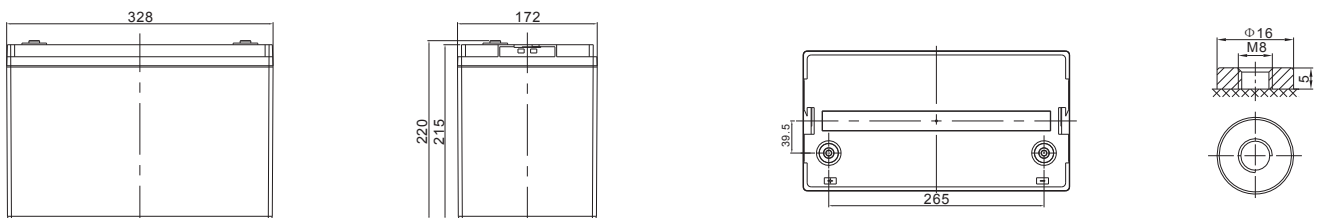
Specifications

Nominal Voltage	12V	Operating Temp. Range	Discharge:	-20~50°C
Nominal Capacity	100.8Ah (C ₁₀ , 9.6V)		Charge:	-10~50°C
Approx. Weight	30.5kg		Storage:	-20~50°C
Terminal	M8	Cycle Use	Initial Charging Current less than 30A.	
Container Material	ABS UL94 HB		Voltage 14.7V +0.1V at 20°C.	
Nominal Power	5 min 3767.4W		Temperature Coefficient -30mV/°C.	
(20°C/ 9.6V/Block)	10 min 3045.6W	Standby Use	No limit on Initial Charging Current.	
	15 min 2403.0W		Voltage 13.7V +0.1V at 20°C.	
Nominal Power	5 min 627.9W		Temperature Coefficient -20mV/°C.	
(20°C/ 1.6V/Cell)	10 min 507.6W	Capacity affected by Temp.	40°C 103%	
	15 min 400.5W		25°C 100%	
Max. Discharge Current	1000A (5s)		0°C 86%	
Internal Resistance / Impedance (1kHz)	Approx. 5.0mΩ	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	>12 years according to EUROBAT	

Dimensions

■ M8 Terminal

Unit: mm | Dimensions: 328 Length X 172 Width X 215 Height (220 Height incl. Terminal)



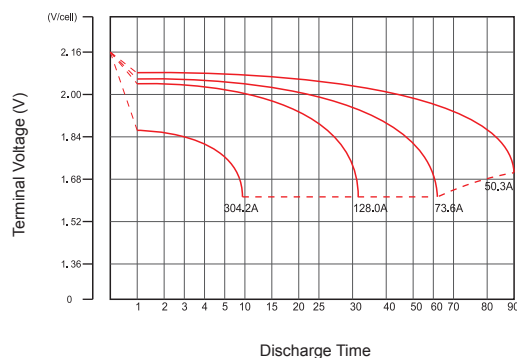
Constant Current Discharge (Amperes) at 20°C

F.V/Time	5min	8min	10min	15min	20min	30min	60min	90min	3h	5h	8h	10h
9.6V	341.7	298.6	269.9	210.1	171.1	126.1	73.0	52.4	26.65	18.27	12.21	10.08
10.0V	310.1	273.8	249.4	195.9	160.8	119.3	69.6	50.2	26.29	18.06	12.09	9.99
10.2V	296.9	263.2	240.5	190.0	156.3	116.5	68.2	49.3	25.82	17.78	11.92	9.86
10.5V	274.1	245.2	225.4	179.7	148.5	111.5	65.9	47.7	25.20	17.41	11.70	9.69
10.8V	251.2	227.1	210.4	170.1	141.5	106.8	63.5	46.2	24.37	16.91	11.41	9.46
11.1V	215.6	193.4	178.3	146.2	122.8	94.5	57.4	42.1	23.30	16.26	11.03	9.17

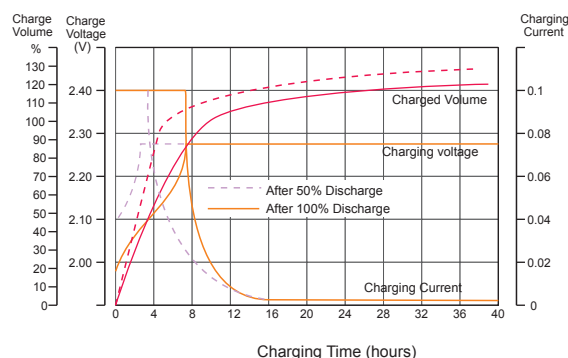
Constant Power Discharge (Watts/block) at 20°C

F.V/Time	5min	8min	10min	15min	20min	30min	60min	90min	3h	5h	8h	10h
9.6V	3767.4	3336.6	3045.6	2403.0	1972.8	1470	822.6	594.6	309.98	214.50	145.21	120.67
10.0V	3506.4	3130.2	2874.6	2280.0	1882.8	1410	791.4	574.8	307.73	213.12	144.19	119.78
10.2V	3391.2	3036.0	2794.2	2226.6	1842.6	1381.2	778.2	567.0	302.96	210.23	142.43	118.33
10.5V	3182.4	2869.2	2653.8	2130.6	1768.2	1335.6	757.2	551.4	296.89	206.53	140.08	116.43
10.8V	2962.2	2693.4	2506.2	2035.8	1701.6	1288.8	734.4	536.4	288.30	201.38	136.93	113.86
11.1V	2580.0	2326.2	2151.6	1769.4	1491.0	1149.6	668.4	493.2	276.8	194.31	132.65	110.46

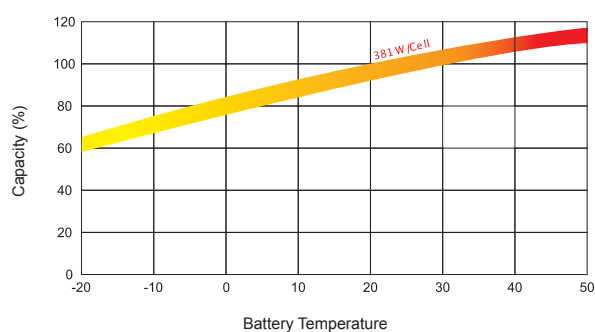
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life

