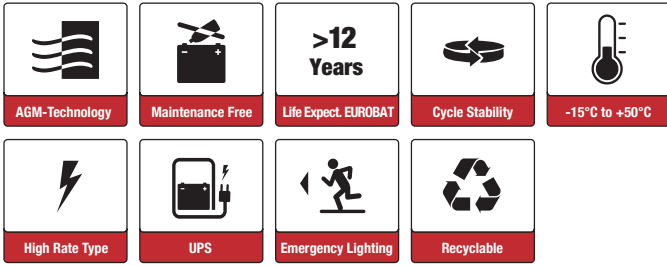




# SBL125-12HR (12V3046W)



## 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



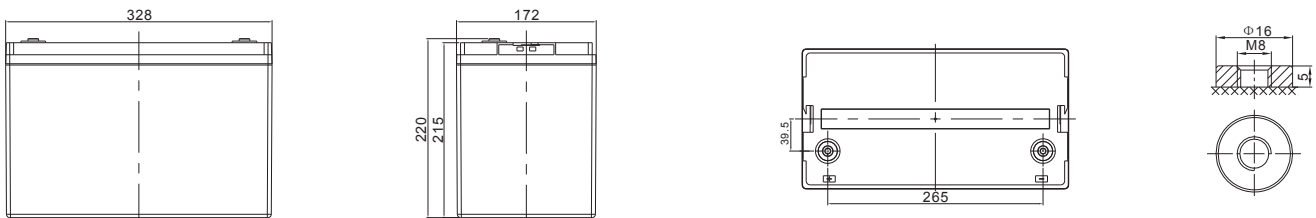
## Specifications

<b>Nominal Voltage</b>	12V	<b>Nominal Oper. Temp. R.</b>	20±3°C
<b>Nominal Capacity</b>	100.8Ah (C <sub>10</sub> , 9.6V)	<b>Operating Temp. Range</b>	Discharge: -20~50°C Charge: -10~50°C Storage: -20~50°C
<b>Approx. Weight</b>	30.5kg	<b>Standby Use</b>	No limit on Initial Charging Current. Voltage 2.295 V/cell at 20° C. Temperature Coefficient -20mV/°C.
<b>Terminal</b>	M8	<b>Capacity affected by Temp.</b>	40°C 103% 25°C 100% 0°C 86%
<b>Container Material</b>	ABS UL94 HB	<b>Self Discharge</b>	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.
<b>Nominal Power</b>	5 min 3767.4W (20°C/ 9.6V/Block) 10 min 3045.6W 15 min 2403.0W	<b>Life Expectancy</b>	>12 years according to EUROBAT
<b>Nominal Power</b>	5 min 627.9W (20°C/ 1.6V/Cell) 10 min 507.6W 15 min 400.5W		
<b>Max. Discharge Current</b>	1000A (5s)		
<b>Internal Resistance / Impedance (1kHz)</b>	Approx. 5.0mΩ		

## Dimensions

### ■ M8 Terminal

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



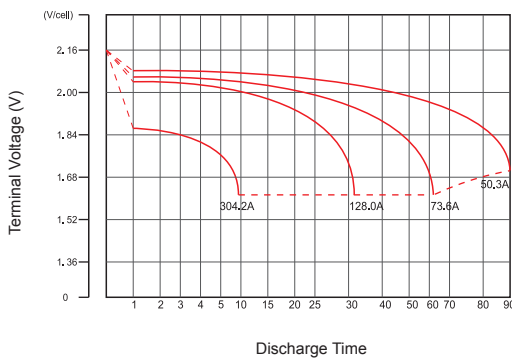
### Constant Current Discharge (Amperes) at 20°C

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

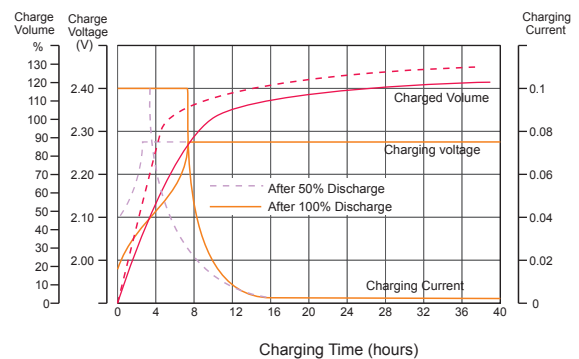
### Constant Power Discharge (Watts/block) at 20°C

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

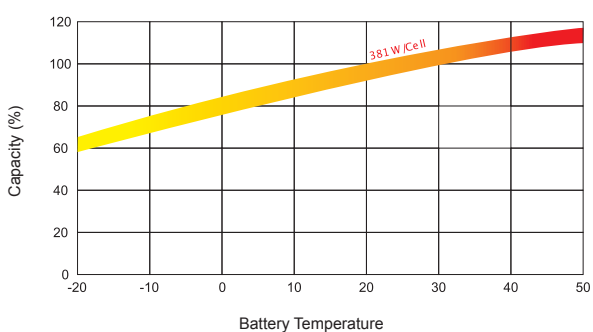
### Discharge Characteristics



### Float Charging Characteristics



### Temperature Effects in Relation to Battery Capacity



### Effect of Temperature on Long Term Float Life

