



SSB SBL 125-12HR (12V 2832W)

Specification

Nominal Voltage	12V	
Nominal Power (Watt / 20°C / 10.0 V/Battery)	5 min	3551,8 W / 12V-Battery
	10 min	2831,6 W / 12V-Battery
	15 min	2286,1 W / 12V-Battery
Nominal Power (Watt / 20°C / 1.67 V/C)	5 min	591,9 W / 1.67 V/C
	10 min	471,9 W / 1.67 V/C
	15 min	381 W / 1.67 V/C
Nominal Capacity (10hr / 20°C / 10.0 V/Battery)	99,8 Ah	
Internal Resistance	Fully Charged battery 68°F(20°C)	≤4.0 mOhms
Self-Discharge	3% of capacity declined per month at 20°C (average)	
	SSB series batteries may be stored for up to 6 months at 68°F(20°C) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	
Dimension	Length (mm / inch)	328 / 12.9
	Width (mm / inch)	172 / 6.77
	Height (mm / inch)	215 / 8.46
	Total Height (mm / inch)	220 / 8.66
Approx. Weight (Kg / lbs)	32.0 / 70.5	
Operating Temperature Range (temporarily – see our manual)	Discharge	-20~60°C
	Charge	-0~50°C
	Storage	-20~60°C
Max. Discharge Current 68°F(20°C)	1000A(5s)	
Short Circuit Current	2350A	
Charge Methods: Constant Voltage Charge 68°F(20°C)	Cycle use	2.30-2.35VPC
	Maximum charging current	0.96A
	Temperature compensation	-3mV/°C
	Standby use	2.23-2.275VPC
Life expectancy	Temperature compensation	-4mV/°C
	10~12 years at 20°C with charge voltage 2.25V/cell	

*All specifications are approximate values



Applications

- ◆ Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance or water adding.
- ◆ Not restricted for air transport-complies with IATA/ICAO Special Provision A67.
- ◆ UL-recognized component.
- ◆ Can be mounted in any orientation.
- ◆ Computer designed lead, calcium tin alloy grid for high power density.
- ◆ Long service life, float or cyclic applications.
- ◆ Maintenance-free operation.
- ◆ Low self discharge.
- ◆ Case and cover available in both standard and flame retardant ABS.



Conform to:
IEC60896-21&22 and/or IEC61427

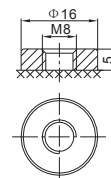
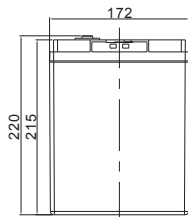
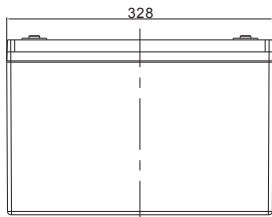
Discharge Constant Current (Amperes at 68°F20°C)

F.V/Time	5min	8min	10min	15min	20min	30min	60min	90min	2h	3h	4h	5h	8h	10h	20h
9.60V	355,27	304,23	273,63	217,37	174,61	127,99	73,58	54,50	35,235	25,873	21,015	17,740	11,854	10,080	5,170
10.0V	328,74	285,39	256,74	206,04	162,88	122,01	70,12	51,88	34,720	25,529	20,754	17,536	11,734	9,985	5,129
10.2V	315,07	275,35	247,46	199,69	156,66	118,55	68,11	50,32	34,034	25,071	20,406	17,263	11,575	9,858	5,074
10.5V	297,58	261,58	232,37	190,33	152,38	115,21	66,99	49,20	33,126	24,464	19,945	16,900	11,363	9,688	5,000
10.8V	279,89	247,81	217,17	180,81	147,86	111,69	65,66	48,01	31,934	23,663	19,336	16,420	11,081	9,462	4,902
11.1V	261,20	233,01	201,34	170,51	142,71	107,56	64,09	46,57	30,382	22,619	18,540	15,791	10,711	9,165	4,772

Discharge Constant Current (Watts at 68°F20°C)

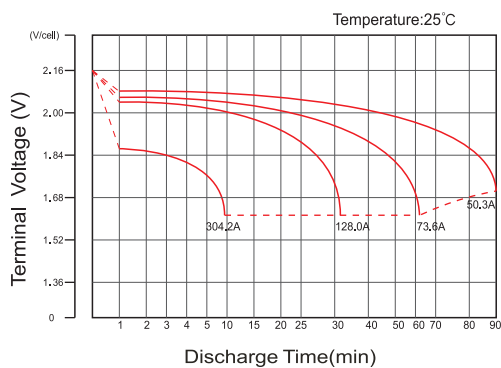
F.V/Time	5min	8min	10min	15min	20min	30min	60min	90min	2h	3h	4h	5h	8h	10h	20h
9.60V	3801,6	3303,1	2988,8	2388,5	1925,6	1414,6	816,5	607,1	406,70	300,95	245,69	208,25	140,98	120,67	62,00
10.0V	3551,8	3128,5	2831,6	2286,1	1813,7	1361,7	785,7	583,6	403,66	298,77	243,93	206,91	139,99	119,78	61,61
10.2V	3444,7	3054,7	2761,5	2241,8	1765,1	1338,7	772,1	572,7	396,91	294,14	240,38	204,11	138,28	118,33	61,01
10.5V	3294,4	2939,0	2625,8	2163,7	1738,5	1317,4	769,1	567,0	388,12	288,24	235,85	200,51	136,00	116,43	60,19
10.8V	3143,1	2824,3	2490,1	2085,1	1711,4	1295,6	764,7	561,2	376,04	279,90	229,46	195,51	132,94	113,86	59,09
11.1V	2992,8	2709,6	2355,0	2006,5	1685,4	1273,1	761,7	555,5	359,71	268,74	220,85	188,65	128,79	110,46	57,60

Dimensions

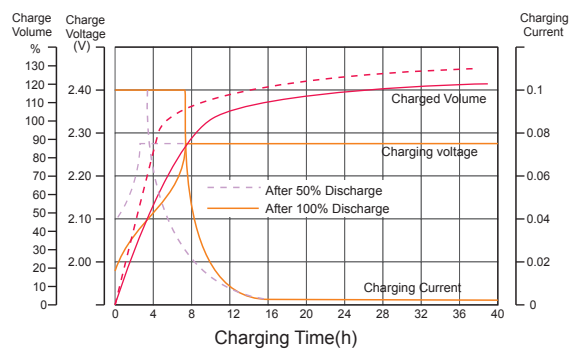


F12 Terminal

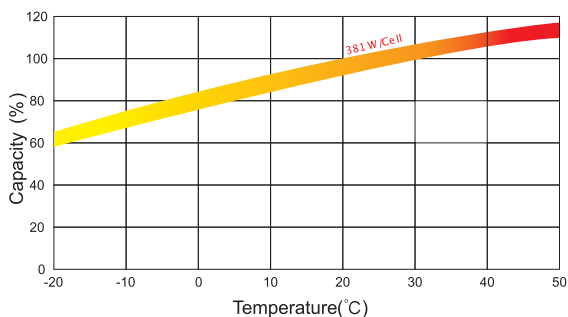
Discharge Characteristics



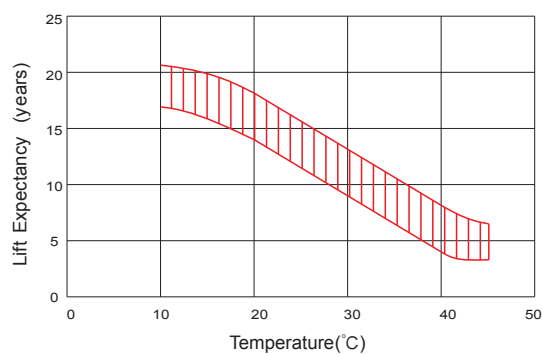
Float Charging Characteristics



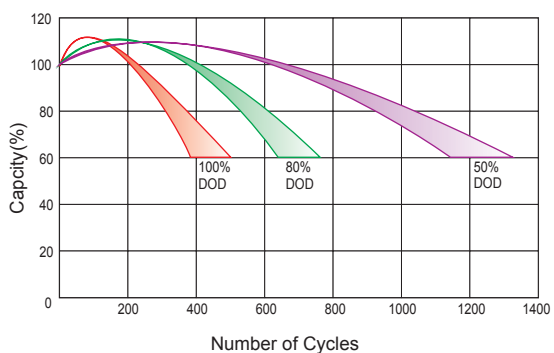
Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics

