



SSB SBL 170-12HR (12V 4247W)

Specification

Nominal Voltage	12V	
Nominal Power (Watt / 20°C / 10.0 V/Battery)	5 min	5327,7 W / 12V-Battery
	10 min	4247,3 W / 12V-Battery
	15 min	3429,1 W / 12V-Battery
Nominal Power (Watt / 20°C / 1.67 V/C)	5 min	887,95 W / 1.67 V/C
	10 min	707,88 W / 1.67 V/C
	15 min	571,52 W / 1.67 V/C
Nominal Capacity (10hr / 20°C / 10.0 V/Battery)	149,8 Ah	
Internal Resistance	Fully Charged battery 68°F(20°C)	≤3.8 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)	483/ 19.0
	Width (mm / inch)	170 / 6.69
	Height (mm / inch)	241 / 9.49
	Total Height (mm / inch)	241/ 9.49
Approx. Weight (Kg / lbs)	46.0 / 101.4	
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)	1500A(5s)	
Short Circuit Current	3100A	
Charge Methods: Constant Voltage Charge 68°F(20°C)	Cycle use	2.30-2.35VPC
	Maximum charging current	45 A
	Temperature compensation	-3mV/°C
	Standby use	2.23-2.275VPC
	Temperature compensation	-4mV/°C
Life expectancy	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	532,90	456,35	410,44	326,05	261,92	191,98	110,37	81,75	52,324	38,810	31,522	26,610	17,780	15,121	7,755
10.0V	493,10	428,09	385,11	309,06	244,32	183,02	105,18	77,83	51,558	38,294	31,131	26,303	17,602	14,978	7,693
10.2V	472,60	413,02	371,18	299,54	235,00	177,83	102,16	75,48	50,540	37,606	30,610	25,894	17,362	14,786	7,611
10.5V	446,37	392,37	348,55	285,50	228,57	172,82	100,48	73,80	49,192	36,695	29,918	25,350	17,044	14,531	7,500
10.8V	419,84	371,72	325,76	271,21	221,80	167,53	98,50	72,01	47,421	35,495	29,005	24,631	16,622	14,193	7,353
11.1V	391,80	349,52	302,01	255,77	214,06	161,34	96,14	69,85	45,117	33,928	27,810	23,687	16,067	13,747	7,158

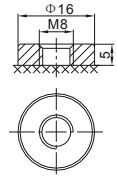
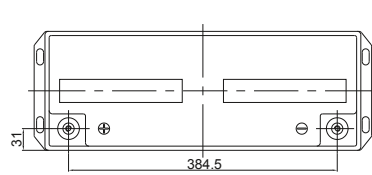
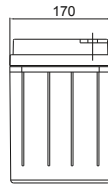
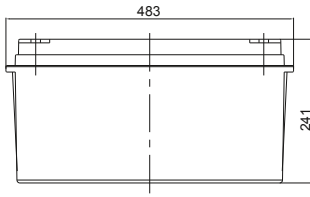
Discharge Constant Current (Watts at 68°F20°C)

F.V/Time	5min	8min	10min	15min	20min	30min	60min	90min	2h	3h	4h	5h	8h	10h	20h
9.60V	5702,4	4954,6	4483,2	3582,7	2888,4	2121,9	1224,8	910,6	603,94	451,43	368,54	312,38	211,48	181,01	92,99
10.0V	5327,7	4692,8	4247,3	3429,1	2720,5	2042,5	1178,6	875,4	599,44	448,16	365,90	310,36	209,99	179,67	92,42
10.2V	5167,1	4582,1	4142,2	3362,7	2647,6	2008,0	1158,2	859,0	589,42	441,21	360,58	306,16	207,41	177,49	91,51
10.5V	4941,6	4408,5	3938,7	3245,6	2607,8	1976,1	1153,6	850,5	576,36	432,36	353,77	300,76	203,99	174,65	90,29
10.8V	4714,7	4236,5	3735,1	3127,7	2567,1	1943,4	1147,1	841,9	558,42	419,86	344,20	293,26	199,41	170,79	88,63
11.1V	4489,2	4064,4	3532,5	3009,8	2528,1	1909,7	1142,5	833,3	534,16	403,12	331,27	282,97	193,19	165,69	86,40



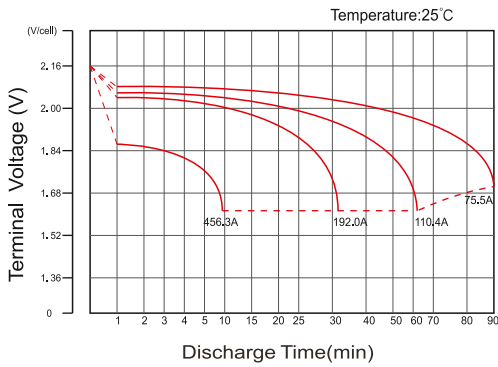
Updated: 24.10.2019

Dimensions

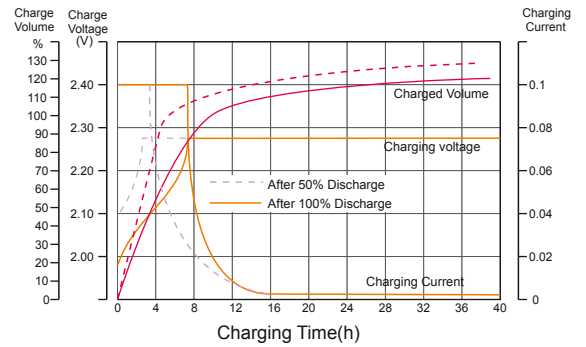


F12 Terminal

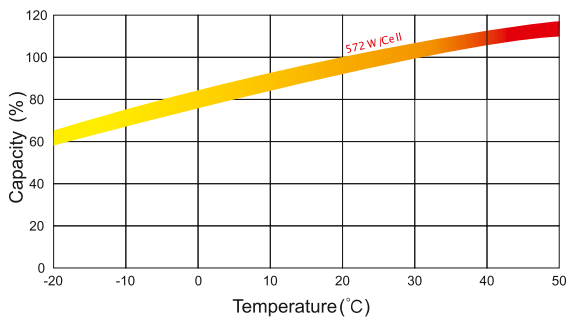
Discharge Characteristics



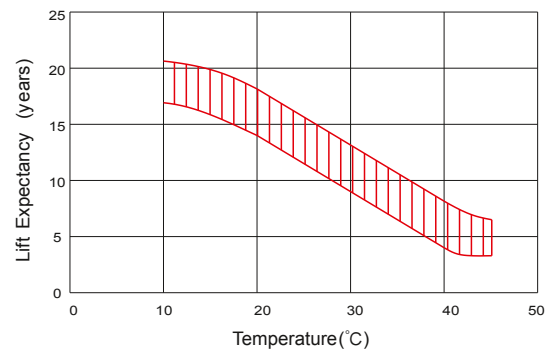
Float Charging Characteristics



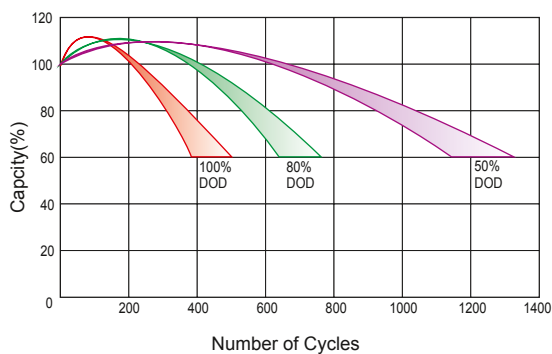
Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics

