



SSB SBL 240-12HR (12V 5736W)

Specification

Nominal Voltage	12V	
Nominal Power (Watt / 20°C / 10.0 V/Battery)	5 min	7554,1 W / 12V-Battery
	10 min	5735,6 W / 12V-Battery
	15 min	4506,2 W / 12V-Battery
Nominal Power (Watt / 20°C / 1.67 V/C)	5 min	1259 W / 1.67 V/C
	10 min	956 W / 1.67 V/C
	15 min	751 W / 1.67 V/C
Nominal Capacity (10hr / 20°C / 10.0 V/Battery)	224,6 Ah	
Internal Resistance	Fully Charged battery 68°F(20°C)	≤3.5 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)	522 / 20.6
	Width (mm / inch)	240 / 9.45
	Height (mm / inch)	219 / 8.62
	Total Height (mm / inch)	224 / 8.82
Approx. Weight (Kg / lbs)	65.0 / 143.3	
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)	2250A(5s)	
Short Circuit Current	4050A	
Charge Methods: Constant Voltage Charge 68°F(20°C)	Cycle use	2.30-2.35VPC
	Maximum charging current	67 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	755,61	628,21	554,25	428,46	350,35	266,88	163,02	122,01	78,486	58,214	47,283	39,915	26,671	22,681	11,633
10.0V	699,18	589,31	520,05	406,14	326,81	254,42	155,35	116,16	77,338	57,441	46,696	39,455	26,402	22,466	11,540
10.2V	670,11	568,58	501,24	393,63	314,34	247,20	150,89	112,66	75,810	56,410	45,914	38,841	26,044	22,179	11,416
10.5V	632,91	540,15	470,68	375,17	305,74	240,24	148,41	110,14	73,789	55,043	44,876	38,025	25,566	21,797	11,250
10.8V	595,29	511,72	439,90	356,40	296,69	232,89	145,48	107,48	71,132	53,243	43,507	36,946	24,933	21,290	11,029
11.1V	555,54	481,15	407,84	336,10	286,33	224,28	141,99	104,25	67,675	50,892	41,714	35,531	24,100	20,621	10,738

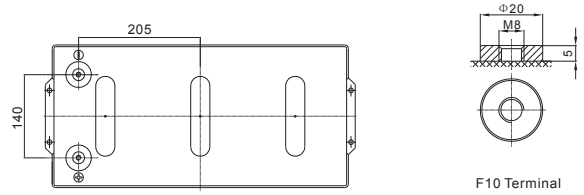
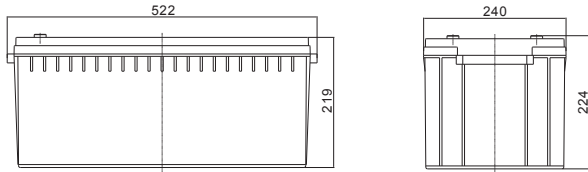
Discharge Constant Current (Watts at 68°F20°C)

F.V/Time	5min	8min	10min	15min	20min	30min	60min	90min	2h	3h	4h	5h	8h	10h	20h
9.60V	8085,5	6820,5	6054,0	4708,0	3863,7	2949,7	1809,0	1359,1	905,92	677,14	552,81	468,57	317,21	271,51	139,49
10.0V	7554,1	6460,2	5735,6	4506,2	3639,1	2839,4	1740,7	1306,5	899,16	672,24	548,85	465,54	314,99	269,51	138,63
10.2V	7326,5	6307,8	5593,6	4418,9	3541,6	2791,4	1710,7	1282,2	884,12	661,82	540,87	459,24	311,12	266,24	137,26
10.5V	7006,7	6068,8	5318,7	4265,0	3488,3	2747,0	1703,8	1269,3	864,55	648,53	530,66	451,14	305,99	261,97	135,44
10.8V	6685,0	5832,0	5043,9	4110,1	3433,9	2701,5	1694,3	1256,5	837,63	629,79	516,29	439,90	299,11	256,19	132,94
11.1V	6365,3	5595,1	4770,3	3955,2	3381,7	2654,7	1687,5	1243,7	801,25	604,67	496,90	424,46	289,78	248,53	129,61

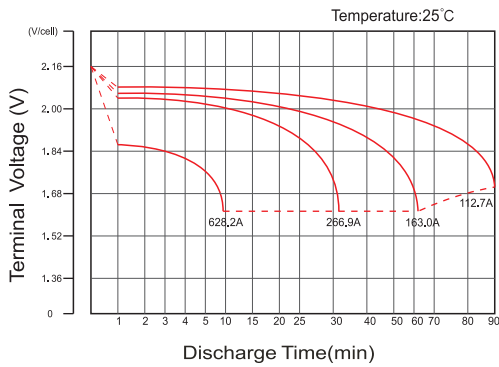


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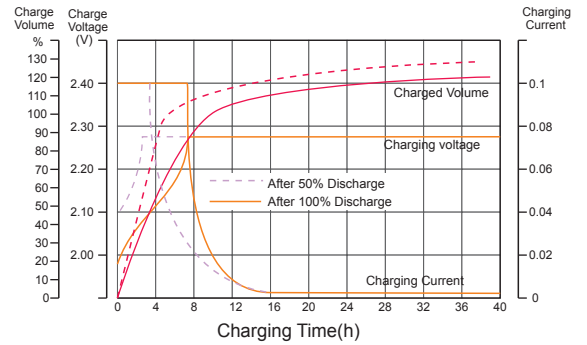
Dimensions



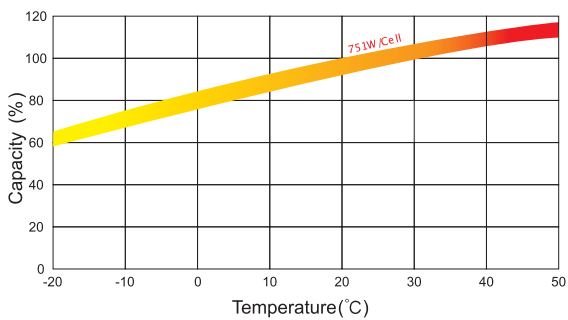
Discharge Characteristics



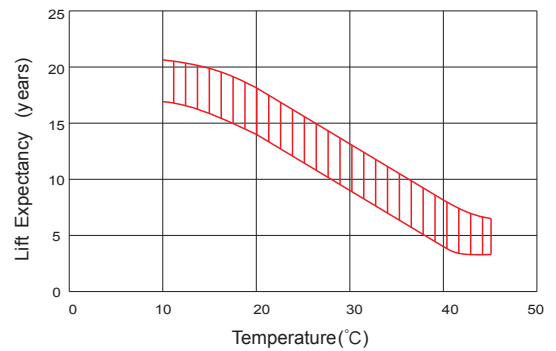
Float Charging Characteristics



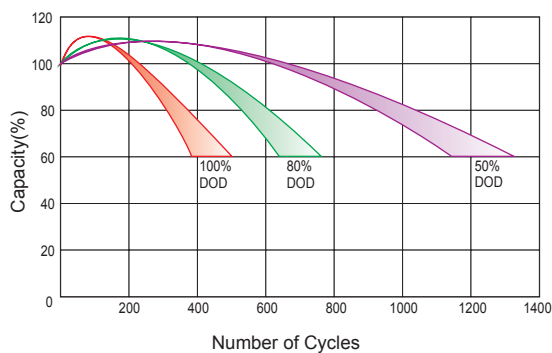
Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics

