



# SSB SBL 270-12HR (12V 6118W)

## Specification

Nominal Voltage	12V	
Nominal Power (Watt / 20°C / 10.0 V/Battery)	5 min	8057,7 W / 12V-Battery
	10 min	6117,9 W / 12V-Battery
	15 min	4806,6 W / 12V-Battery
Nominal Power (Watt / 20°C / 1.67 V/C)	5 min	1343 W / 1.67 V/C
	10 min	1019,6 W / 1.67 V/C
	15 min	801,1 W / 1.67 V/C
Nominal Capacity (10hr / 20°C / 10.0 V/Battery)	239,6 Ah	
Internal Resistance	Fully Charged battery 68°F(20°C)	≤3.0 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)	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)	74.5 / 164.2	
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)	2400A(5s)	
Short Circuit Current	4200A	
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
	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	805,98	670,09	591,20	457,03	373,71	284,67	173,89	130,14	83,718	62,095	50,435	42,576	28,449	24,193	12,408
10.0V	745,79	628,60	554,72	433,21	348,60	271,38	165,71	123,90	82,494	61,270	49,809	42,085	28,162	23,964	12,309
10.2V	714,78	606,48	534,66	419,87	335,30	263,68	160,95	120,17	80,864	60,170	48,975	41,430	27,780	23,658	12,177
10.5V	675,11	576,16	502,06	400,19	326,13	256,25	158,31	117,48	78,708	58,713	47,868	40,560	27,270	23,250	12,000
10.8V	634,98	545,83	469,22	380,16	316,47	248,41	155,18	114,64	75,874	56,792	46,407	39,409	26,595	22,709	11,765
11.1V	592,57	513,23	435,02	358,51	305,42	239,23	151,46	111,20	72,187	54,284	44,495	37,900	25,706	21,996	11,453

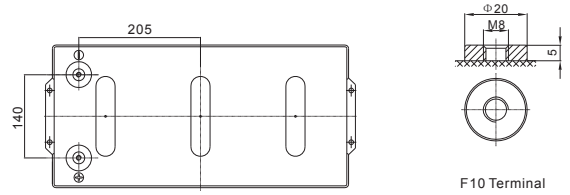
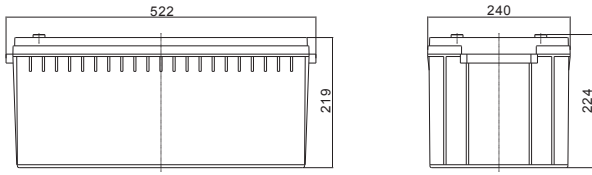
## Discharge Constant Current (Watts at 68°F20°C)

F.V/Time	5min	8min	10min	15min	20min	30min	60min	90min	2h	3h	4h	5h	8h	10h	20h
9.60V	8624,6	7275,3	6457,6	5021,9	4121,3	3146,3	1929,6	1449,7	966,31	722,29	589,66	499,81	338,36	289,62	148,79
10.0V	8057,7	6890,8	6117,9	4806,6	3881,8	3028,7	1856,8	1393,6	959,10	717,05	585,44	496,58	335,99	287,47	147,87
10.2V	7814,9	6728,3	5966,5	4713,5	3777,7	2977,5	1824,7	1367,6	943,07	705,94	576,92	489,86	331,86	283,99	146,42
10.5V	7473,8	6473,4	5673,3	4549,4	3720,9	2930,2	1817,4	1354,0	922,18	691,77	566,04	481,22	326,39	279,44	144,46
10.8V	7130,7	6220,8	5380,1	4384,1	3662,8	2881,6	1807,2	1340,3	893,47	671,77	550,71	469,22	319,06	273,27	141,80
11.1V	6789,6	5968,1	5088,3	4218,8	3607,2	2831,7	1800,0	1326,6	854,66	644,99	530,03	452,75	309,10	265,10	138,25

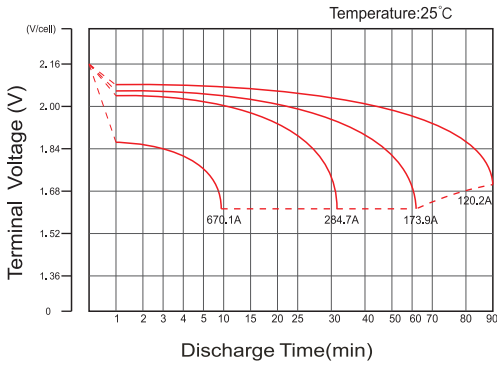


Updated: 25.03.2019

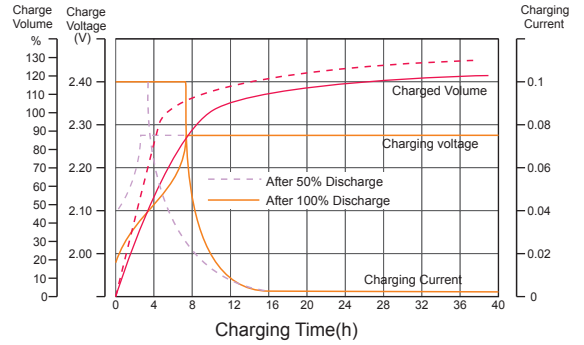
# Dimensions



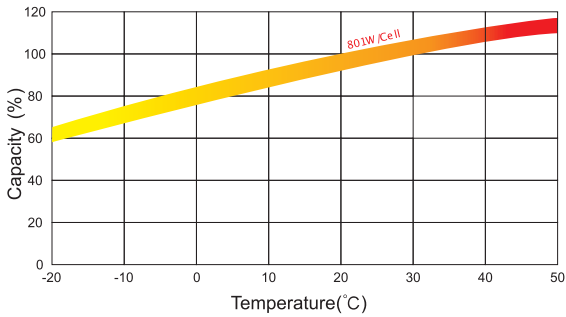
## Discharge Characteristics



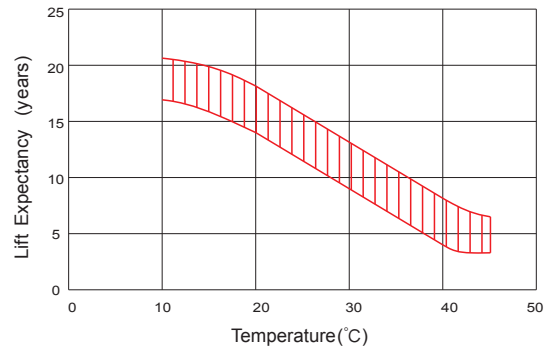
## Float Charging Characteristics



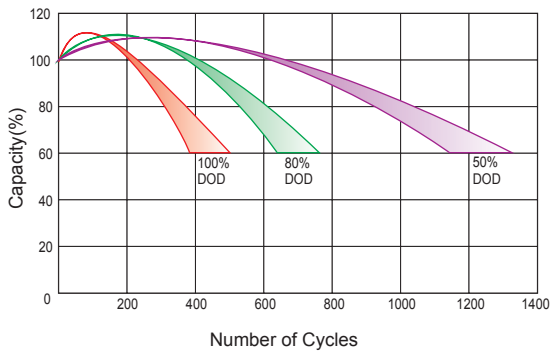
## Temperature Effects in Relation to Battery Capacity



## Effect of Temperature on Long Term Float Life



## Cycle Life in Relation to Depth of Discharge



## Self Discharge Characteristics

