



SSB SBL 66-12HR (12V 312W)



Specification		
Nominal Voltage	12V	
Nominal Capacity (10hr / 20°C / 1.80 V/C)	312W	
	20 hour rate	55.0Ah
	10 hour rate	51.9Ah
Internal Resistance	Fully Charged battery 68°F(20°C) ≤5.7 mOhms	
Self-Discharge	3% of capacity declined per month at 20°C (average)	
Dimension	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.	
	Length (mm / inch)	229 / 0.02
	Width (mm / inch)	138 / 5.43
	Height (mm / inch)	211 / 8.31
	Total Height (mm / inch)	216 / 8.50
Approx. Weight (Kg / lbs)	18.0 / 39.7	
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)	550A(5s)	
Short Circuit Current	1350A	
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	

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)

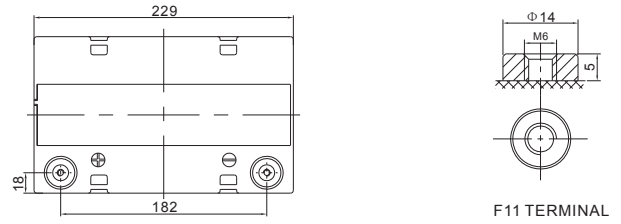
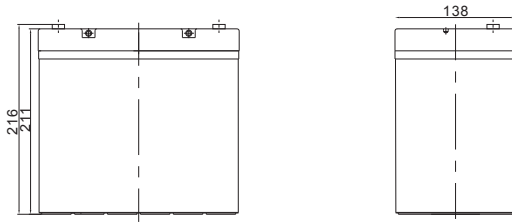
End Point Volts/Cell	5min	8min	10min	15min	20min	30min	60min	90min
1.60V	194.4	166.5	149.7	119.0	95.6	70.0	40.3	29.8
1.65V	179.9	156.2	140.5	112.8	89.1	66.8	38.4	28.4
1.70V	172.4	150.7	135.4	109.3	85.7	64.9	37.3	27.5
1.75V	162.9	143.2	127.2	104.2	83.4	63.1	36.7	26.9
1.80V	153.2	135.6	118.8	98.9	80.9	61.1	35.9	26.3
1.85V	142.9	127.5	110.2	93.3	78.1	58.9	35.1	25.5

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

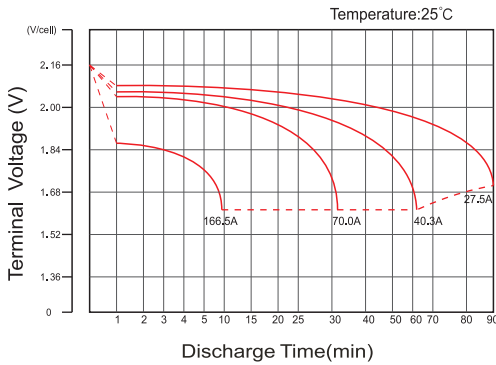
End Point Volts/Cell	5min	8min	10min	15min	20min	30min	60min	90min
1.60V	347	301	273	218	176	129	74.5	55.4
1.65V	324	285	258	209	165	124	71.7	53.2
1.70V	314	279	252	204	161	122	70.4	52.2
1.75V	300	268	239	197	159	120	70.1	51.7
1.80V	287	258	227	190	156	118	69.8	51.2
1.85V	273	247	215	183	154	116	69.5	50.7



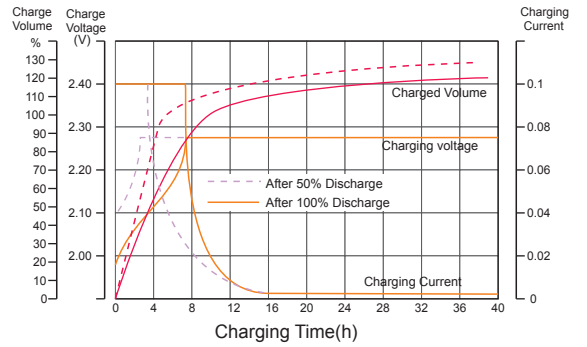
Dimensions



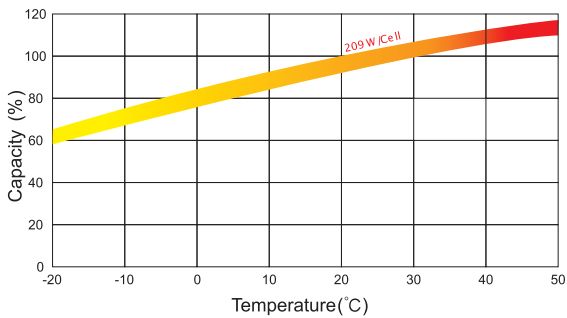
Discharge Characteristics



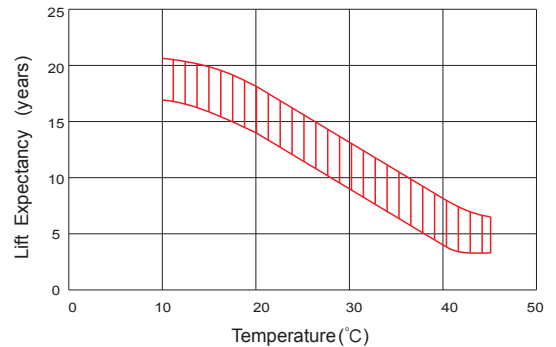
Float Charging Characteristics



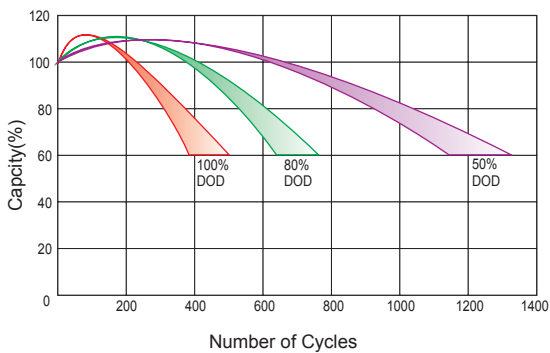
Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics

