



SSB SBL 270-12HR (12V 1149W)



Specification		
Nominal Voltage	12V	
Nominal Capacity (10hr / 20°C / 1.80 V/C)	1149W	
	20 hour rate	240.0Ah
	10 hour rate	230.0Ah
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	

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)

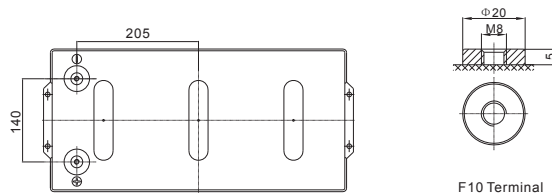
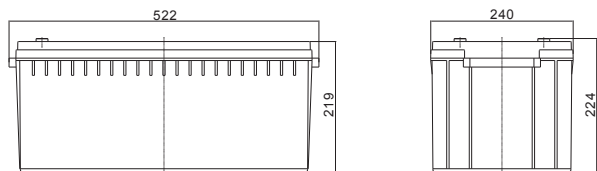
End Point Volts/Cell	5min	8min	10min	15min	20min	30min	60min	90min
1.60V	806.0	670.1	591.2	457.0	373.7	284.7	173.9	130.1
1.65V	745.8	628.6	554.7	433.2	348.6	271.4	165.7	123.9
1.70V	714.8	606.5	534.7	419.9	335.3	263.7	161.0	120.2
1.75V	675.1	576.2	502.1	400.2	326.1	256.3	158.3	117.5
1.80V	635.0	545.8	469.2	380.2	316.5	248.4	155.2	114.6
1.85V	592.6	513.2	435.0	358.5	305.4	239.2	151.5	111.2

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

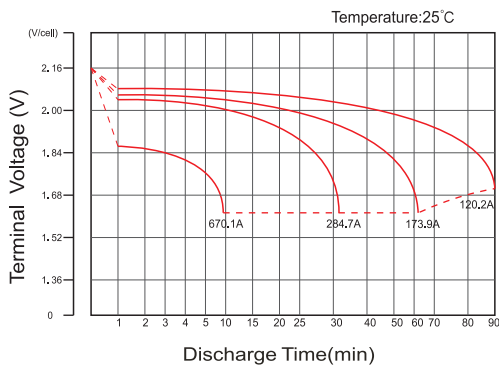
End Point Volts/Cell	5min	8min	10min	15min	20min	30min	60min	90min
1.60V	1437	1213	1076	837	687	524	322	242
1.65V	1343	1148	1020	801	647	505	309	232
1.70V	1302	1121	994	786	630	496	304	228
1.75V	1246	1079	946	758	620	488	303	226
1.80V	1188	1037	897	731	610	480	301	223
1.85V	1132	995	848	703	601	472	300	221



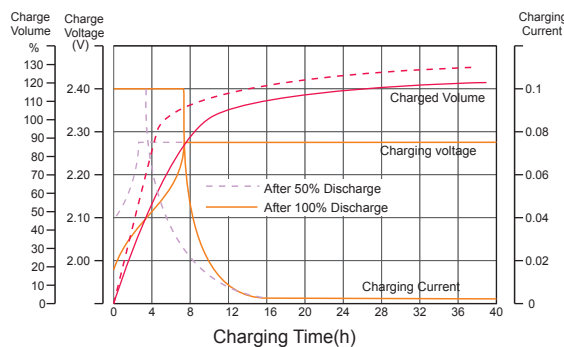
Dimensions



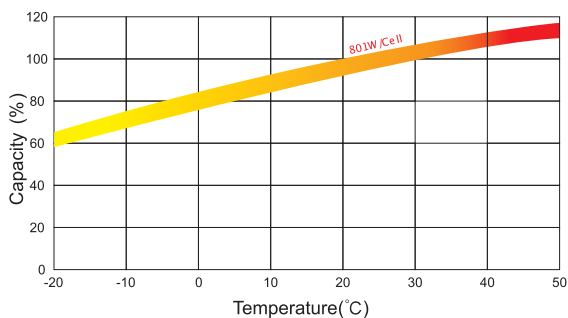
Discharge Characteristics



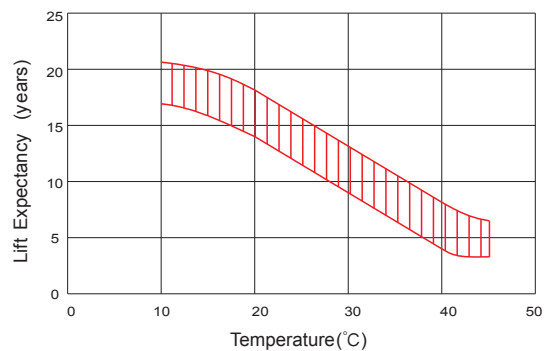
Float Charging Characteristics



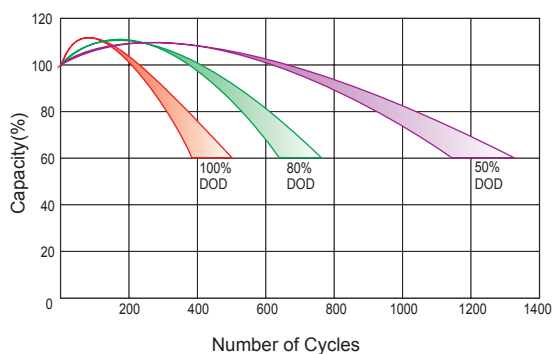
Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics

