



# SSB SBL 240-12HR (12V 1053W)



Specification	
Nominal Voltage	12V
Nominal Capacity (10hr / 20°C / 1.80 V/C)	1053W
	20 hour rate 225.0Ah
	10 hour rate 210.0Ah
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 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)

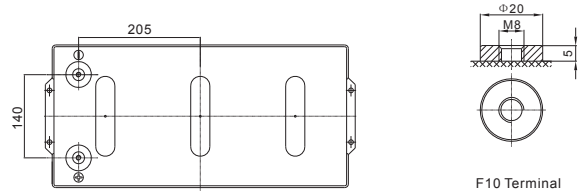
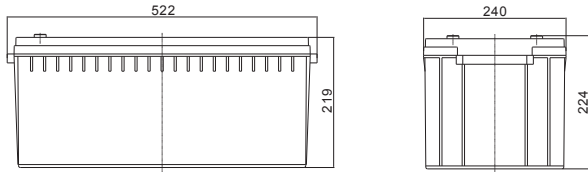
End Point Volts/Cell	5min	8min	10min	15min	20min	30min	60min	90min
1.60V	755.6	628.2	554.3	428.5	350.4	266.9	163.0	122.0
1.65V	699.2	589.3	520.1	406.1	326.8	254.4	155.4	116.2
1.70V	670.1	568.6	501.2	393.6	314.3	247.2	150.9	112.7
1.75V	632.9	540.1	470.7	375.2	305.7	240.2	148.4	110.1
1.80V	595.3	511.7	439.9	356.4	296.7	232.9	145.5	107.5
1.85V	555.5	481.2	407.8	336.1	286.3	224.3	142.0	104.3

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

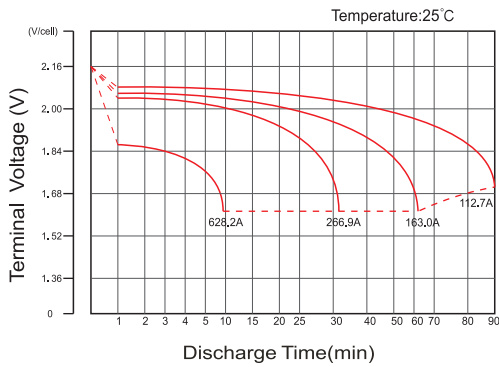
End Point Volts/Cell	5min	8min	10min	15min	20min	30min	60min	90min
1.60V	1348	1137	1009	785	644	492	301	227
1.65V	1259	1077	956	751	607	473	290	218
1.70V	1221	1051	932	736	590	465	285	214
1.75V	1168	1011	886	711	581	458	284	212
1.80V	1114	972	841	685	572	450	282	209
1.85V	1061	933	795	659	564	442	281	207



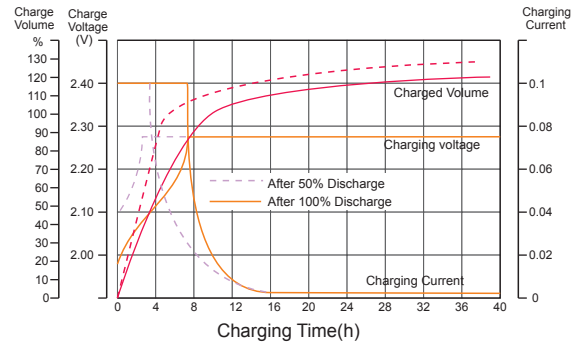
# Dimensions



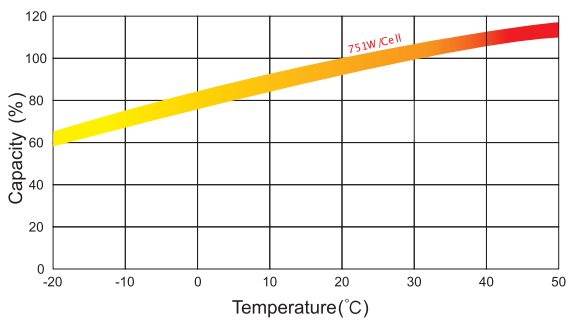
## Discharge Characteristics



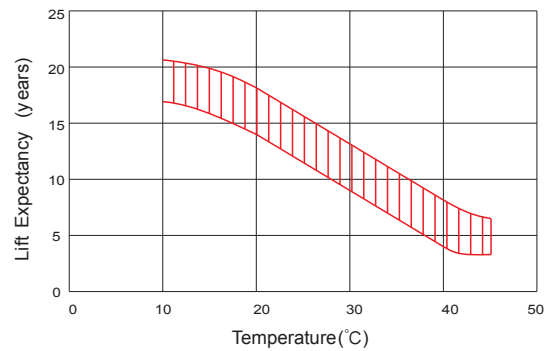
## Float Charging Characteristics



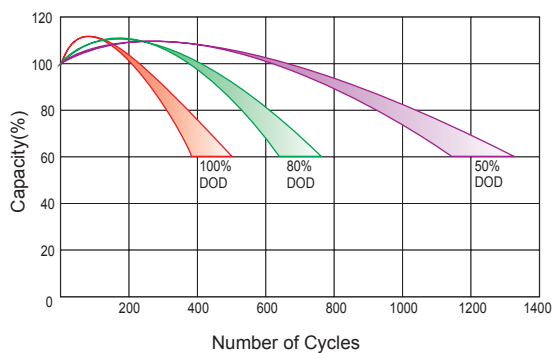
## Temperature Effects in Relation to Battery Capacity



## Effect of Temperature on Long Term Float Life



## Cycle Life in Relation to Depth of Discharge



## Self Discharge Characteristics

