



# SSB SBL 260-12i(sh) (12V 260AH)

## Specification

Nominal Voltage	12V	
Nominal Capacity (10hr / 20°C / 1.80 V/C)	260.0AH	
	10 hour rate (26.0A, 10.8V)	260.0Ah
	5 hour rate (43.5A, 10.5V)	217.5Ah
	3 hour rate (66.3A, 10.5V)	198.9Ah
	1 hour rate (160.0A, 9.6V)	160.0Ah
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)	520 / 20.5
	Width (mm / inch)	269 / 10.6
	Height (mm / inch)	227 / 8.7
	Total Height (mm / inch)	227 / 8.9
Approx. Weight (Kg / lbs)	69.0 / 152.1	
Operating Temperature Range (temporarily – see our manual)	Discharge :	-20~50°C
	Charge :	-10~50°C
	Storage :	-20~50°C
Max. Discharge Current 68°F(20°C)	1250A(5s)	
Short Circuit Current	4300A	
Charge Methods: Constant Voltage Charge 68°F(20°C)	Cycle use	2.40-2.45VPC
	Maximum charging current	75.0A
	Temperature compensation	-30mV/°C
	Standby use	2.20-2.30VPC
	Temperature compensation	-20mV/°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

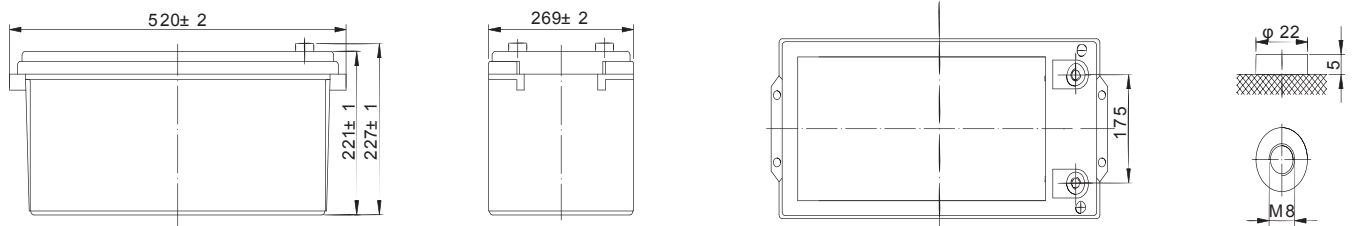
## Discharge Constant Current (Amperes at 68°F20°C)

End Point Volts/Cell	10min	15min	30min	45min	1h	3h	5h	10h	20h
1.60V	-	463	274	195	160	72.3	47.2	26.6	-
1.65V	-	430	258	186	153	69.5	45.5	26.4	-
1.70V	-	415	252	182	150	68.3	44.8	26.3	-
1.75V	-	386	240	178	146	66.3	43.5	26.2	-
1.80V	-	357	229	176	142	64.2	42.5	26.0	-

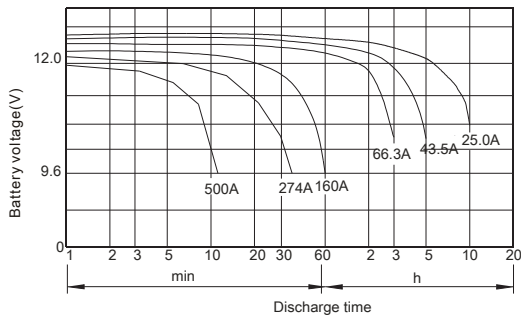
## Discharge Constant Current (Watts at 68°F20°C)

End Point Volts/Cell	10min	15min	30min	45min	1h	2h	3h	5h	10h
1.60V	-	810	497	361	300	182	135	91.0	-
1.65V	-	770	475	347	291	175	133	88.2	-
1.70V	-	747	465	343	285	172	131	87.0	-
1.75V	-	705	449	332	278	165	127	85.2	-
1.80V	-	660	434	325	268	160	123	83.2	-

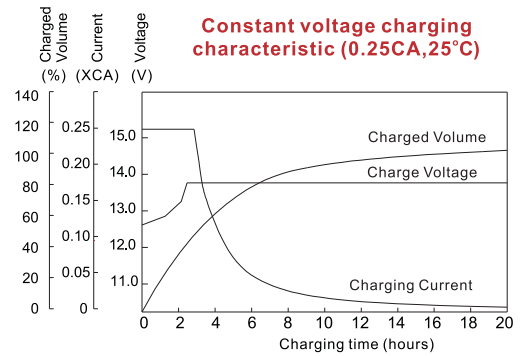
## Dimensions



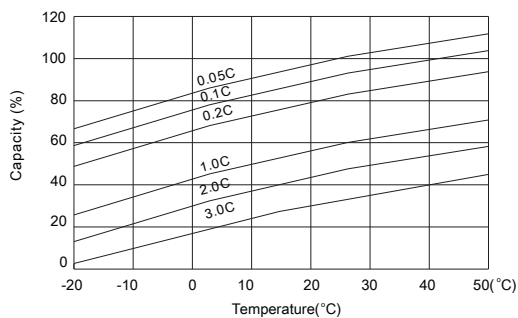
## Discharge Characteristics



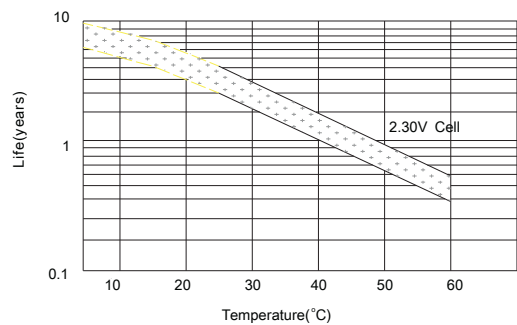
## Float Charging Characteristics



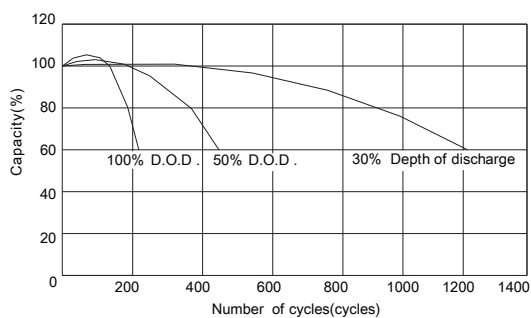
## Temperature Effects in Relation to Battery Capacity



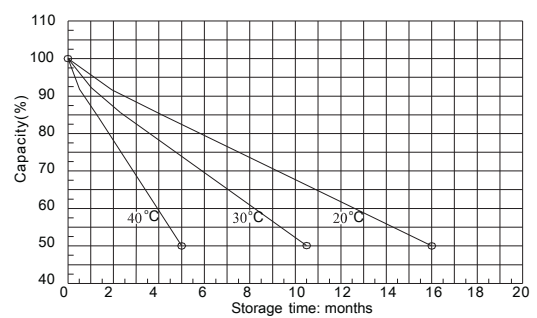
## Effect of Temperature on Long Term Float Life



## Cycle Life in Relation to Depth of Discharge



## Self Discharge Characteristics



**A** No supplementary charge required  
(Carry out supplementary charge before use if 100% capacity is required.)

Supplementary charge required before use. Optional charging way as below:  
**B** 1. Charged for above 3 days at limited current 0.25CA and constant voltage 2.25V/cell.  
 2. Charged for above 20 hours at limited current 0.25CA and constant voltage 2.45V/cell.  
 3. Charged for 8-10 hours at limited current 0.05CA.

**C** Supplementary charge may often fail to recover the capacity.  
The battery should never be left standing till this is reached.