



SSB SBLFT 55-12i (12V 52AH)



Specification

Nominal Voltage	12V	
Nominal Capacity (20hr@20°C@1.80 V/C)	52Ah	
	20 hour rate (2.61A, 10.8V)	52.2Ah
	10 hour rate (5.0A, 10.8V)	50Ah
	5 hour rate (9.06A, 10.5V)	45.3Ah
	3 hour rate (14.1A, 10.2V)	42.3Ah
	1 hour rate (35.2A, 9.6V)	35.2Ah
Internal Resistance	Fully Charged battery 68°F(20°C)	≤6 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)	277 / 10.91
	Width (mm / inch)	106 / 4.17
	Height (mm / inch)	221 / 8.70
	Total Height (mm / inch)	221 / 8.70
Approx. Weight (Kg / lbs)	18 / 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)	275A(5s)	
Short Circuit Current		
Charge Methods:	Cycle use	2.30-2.35VPC
Constant Voltage Charge 68°F(20°C)	Maximum charging current	16.5A
	Temperature compensation	-3mV/°C
	Standby use	2.23-2.275VPC
	Temperature compensation	-4mV/°C
Life expectancy	8-10 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

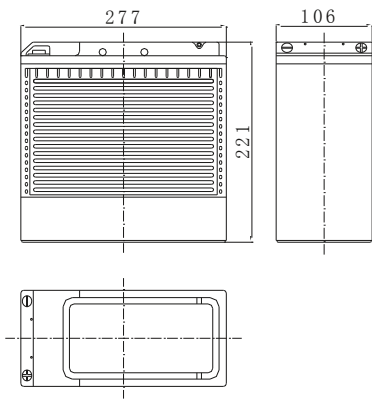
Discharge Constant Current (Amperes at 68°F20°C)

F.V/TIME	End Point Volts/Cell	10min	15min	30min	45min	1h	2h	3h	5h	6h	10h	20h
9.60V	1.60V	109	88,2	57,6	44	35,2	20,4	14,5	9,26	8	5,04	2,66
9.90V	1.65V	101	82,7	55,5	42,7	34,5	20,1	14,3	9,19	7,95	5,03	2,65
10.2V	1.70V	93	77,1	53,3	41,4	33,8	19,8	14,1	9,13	7,9	5,02	2,63
10.5V	1.75V	85	71,6	51,2	40,1	33,1	19,4	13,8	9,06	7,84	5,01	2,62
10.8V	1.80V	77	66	49	38,8	32,4	19	13,6	9	7,78	5	2,61

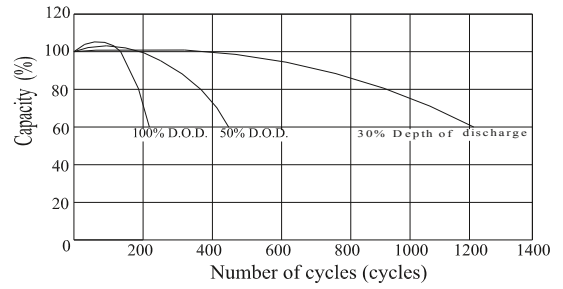
Discharge Constant Current (Watts at 68°F20°C)

F.V/TIME	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	119	68,1	42,1	27,6	22,9	18,0	13,1	10,7	5,7
9.90V	117	67,8	41,9	27,6	22,8	17,9	13,0	10,6	5,6
10.2V	116	67,3	41,5	27,4	22,7	17,9	12,9	10,6	5,6
10.5V	113	66,7	41,1	27,2	22,6	17,7	12,8	10,5	5,5
10.8V	108	65,0	40,5	26,6	21,9	17,4	12,5	10,3	5,4

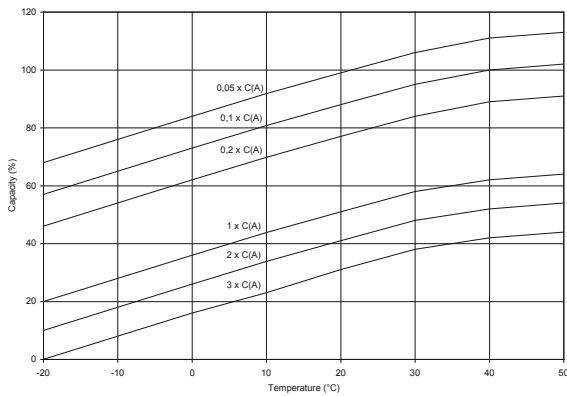
Dimensions



Cycle Life in Relation to Depth of Discharge



Temperature Effects in Relation to Battery Capacity



Float Charging Characteristics

