SBL55-12i (12V55Ah)

AGM-Technology | Maintenance Free | 10-12 Years Life Expect. EUROBAT | Cycle Stability | -15°C to +50°C

Standard Type | UPS | Emergency Lighting | Recyclable

Applications

- Uninterruptable Power Supply (UPS)
- Electric Power System (EPS)
- Emergency backup power supply
- Emergency light
- Railway signal
- Alarm and security system
- Communication power supply
- DC power supply

Certificates

ISO 9001 Conform to IEC60896-21&22

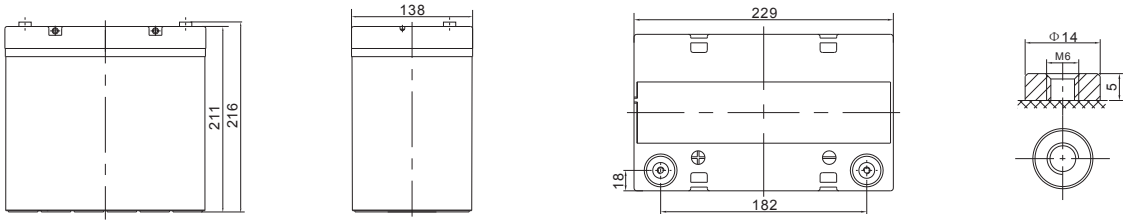
Specifications

Nominal Voltage	12V
Nominal Capacity	55.0Ah (C_{10}, 10.8V)
Approx. Weight	16.5kg
Terminal	M6
Container Material	ABS UL94 HB
Rated Capacity (20°C)	57.8Ah/2.89A, 20hr, 10.8V
	55Ah/5.5A, 10hr, 10.8V
	53.52Ah/6.69A,8hr, 10.5V
	48Ah/9.60A, 5hr, 10.5V
	42.6Ah/14.2A, 3hr, 10.5V
	33.6Ah/33.6A, 1hr, 9.6V
Max. Discharge Current	550A (5s)
Internal Resistance / Impedance (1kHz)	Approx. 6mΩ
Nominal Oper. Temp. R.	20±2°C

Operating Temp. Range	Discharge:	-15~50°C
	Charge:	-20~40°C
	Storage:	-15~40°C
Cycle Use	Initial Charging Current less than 16.5A.	
	Voltage 14.55V +-1% at 20°C.	
	Temperature Coefficient -30mV/°C.	
Standby Use	No limit on Initial Charging Current.	
	Voltage 13.74V +-1% at 20°C.	
	Temperature Coefficient -20mV/°C.	
Capacity affected by Temp.	40°C	103%
	25°C	100%
	0°C	86%
Self Discharge	SSB batteries may be stored for up to 6 months at 20°C and then a freshening charge is required. For higher temperatures the time interval will be shorter.	
Life Expectancy	10-12 years according to EUROBAT	

Dimensions

- **M6 Terminal** Unit: mm | Dimensions: 229±2 Length X 138±2 Width X 211±2 Height (216±2 Height incl. Terminal)



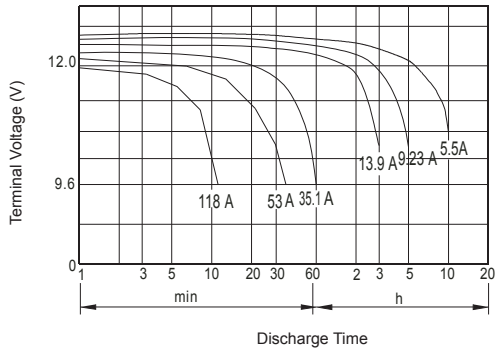
Constant Current Discharge (Amperes) at 20°C

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	176.2	134.2	102.0	60.2	33.6	20.0	15.5	12.2	10.4	6.97	5.80	3.04
1.65V	169.8	126.8	97.5	57.8	32.5	19.4	15.0	11.9	10.1	6.90	5.73	2.99
1.70V	161.5	116.8	91.3	55.3	31.4	18.7	14.6	11.5	9.84	6.79	5.65	2.95
1.75V	150.9	106.9	85.0	52.8	30.2	18.1	14.2	11.2	9.60	6.69	5.57	2.91
1.80V	137.5	96.8	78.5	50.5	29.1	17.4	13.8	10.9	9.35	6.58	5.50	2.89
1.85V	121.0	79.1	65.1	43.5	26.1	16.0	12.7	10.2	8.72	6.18	5.18	2.74

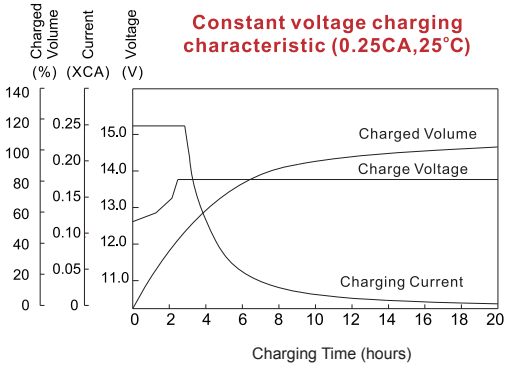
Constant Power Discharge (Watts/cell) at 20°C

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	303.3	228.2	178.3	109.4	63.1	37.9	29.6	23.4	20.0	13.6	11.4	5.98
1.65V	300.1	219.8	173.0	106.1	61.3	36.9	28.8	22.9	19.6	13.5	11.3	5.89
1.70V	288.6	206.0	164.4	102.5	59.7	35.9	28.2	22.3	19.1	13.3	11.1	5.83
1.75V	274.5	192.0	155.2	98.9	57.9	34.8	27.5	21.8	18.7	13.2	11.0	5.76
1.80V	254.4	176.8	145.4	95.5	56.0	33.7	26.7	21.3	18.3	13.0	10.9	5.71
1.85V	227.9	147.1	122.3	83.1	50.5	31.1	24.8	19.9	17.1	12.2	10.2	5.43

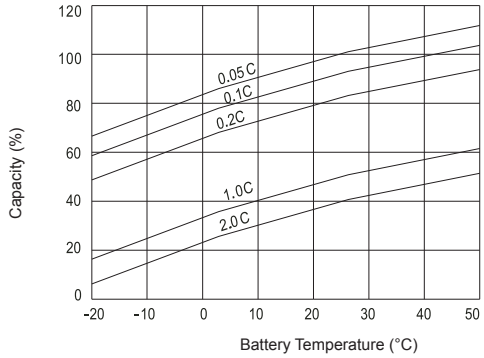
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life