



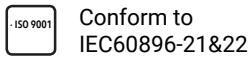
# SBL134R-12i (12V134Ah)



## 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



## Specifications

<b>Nominal Voltage</b>	12V	<b>Operating Temp. Range</b>	Discharge:	-20~50°C
<b>Nominal Capacity</b>	134.0Ah (C <sub>10</sub> , 10.8V)		Charge:	-10~50°C
<b>Approx. Weight</b>	40.0kg		Storage:	-20~50°C
<b>Terminal</b>	M8	<b>Standby Use</b>	No limit on Initial Charging Current.	
<b>Container Material</b>	ABS UL94 HB		Voltage 2.295 V/cell at 20° C.	
<b>Rated Capacity (20°C)</b>	134.0Ah/13.4A, 10hr, 10.8V		Temperature Coefficient -20mV/°C.	
	132Ah/16.5A, 8hr, 10.5V	<b>Capacity affected by Temp.</b>	40°C	103%
	118.0Ah/23.6A, 5hr, 10.5V		25°C	100%
	108.3Ah/36.1A, 3hr, 10.5V		0°C	86%
	86.5Ah/86.5A, 1hr, 9.6V	<b>Self Discharge</b>	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.	
<b>Max. Discharge Current</b>	950A (5s)	<b>Life Expectancy</b>	10-12 years according to EUROBAT	
<b>Internal Resistance / Impedance (1kHz)</b>	Approx. 5.0mΩ			
<b>Nominal Oper. Temp. R.</b>	20±3°C			

## Dimensions

### ■ M8 Terminal

Unit: mm | Dimensions: 341 Length X 172.5 Width X 283 Height (288 Height incl. Terminal)



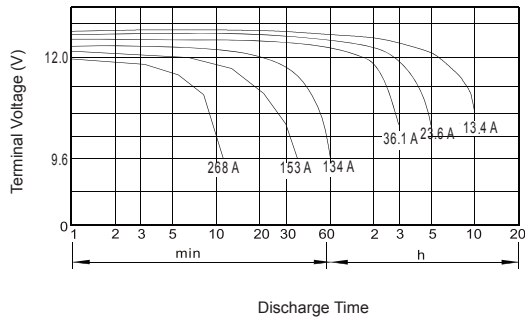
### Constant Current Discharge (Amperes) at 20°C

End Point	10min	15min	30min	45min	1h	1.5h	3h	5h	8h	10h
1.60V/cell	314	248	147	107	86.5	65.5	38.2	25.6	16.81	13.6
1.65V/cell	292	237	145	105	84.3	64	37.4	25.0	16.62	13.6
1.70V/cell	280	231	142	102	82.1	62.4	36.8	24.3	16.38	13.5
1.75V/cell	257	214	139	99.8	80.2	61	36.1	23.6	16.15	13.5
1.80V/cell	235	197	134	96.7	78.0	59.5	35.2	23.0	15.86	13.4

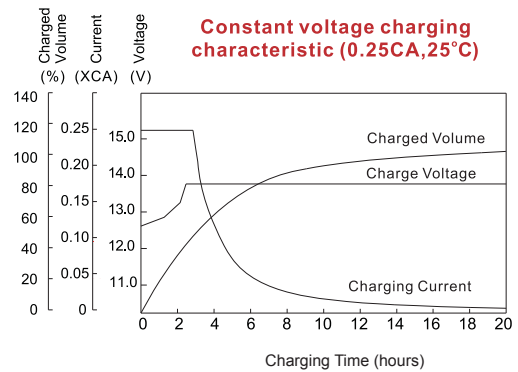
### Constant Power Discharge (Watts/cell) at 20°C

End Point	10min	15min	30min	45min	1h	1.5h	2h	3h	5h	8h
1.60V/cell	566	474	287	206	163	122.3	94.6	71.8	47.4	25.18
1.65V/cell	529	433	261	200	158	118.8	92.2	70.3	47.0	24.96
1.70V/cell	512	427	258	195	154	116.1	90.6	69.5	45.9	24.38
1.75V/cell	483	414	254	192	152	114.7	89.5	68.6	44.8	23.8
1.80V/cell	448	391	247	189	150	113.3	88.7	68.2	44.0	23.37

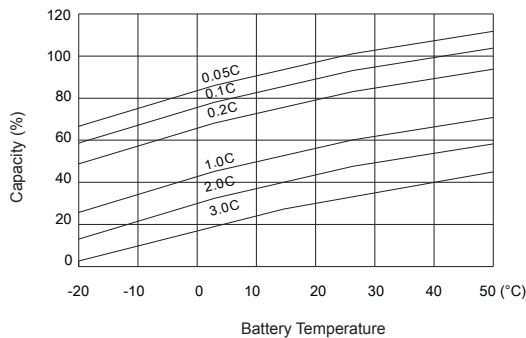
### Discharge Characteristics



### Float Charging Characteristics



### Temperature Effects in Relation to Battery Capacity



### Effect of Temperature on Long Term Float Life

