



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

Conform to
IEC60896-21&22

Specifications

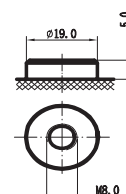
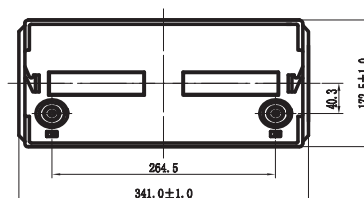
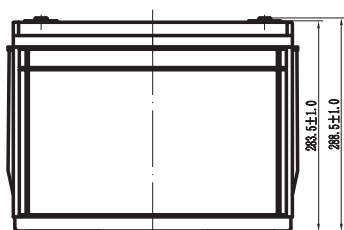
Nominal Voltage	12V	Operating Temp. Range	Discharge:	-20~50°C
Nominal Capacity	134.0Ah (C ₁₀ , 10.8V)		Charge:	-10~50°C
Approx. Weight	40.0kg		Storage:	-20~50°C
Terminal	M8	Float Charge	2.285V/cell ± 0,5 % @ 20°C	
Container Material	ABS UL94 HB		Charging Current:	0.1-0.2C
Rated Capacity (20°C)	134.0Ah/13.4A, 10hr, 10.8V		Temperature coefficient:	-3mV/cell/°C
	132Ah/16.5A, 8hr, 10.5V	Capacity affected by Temp.	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	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.	
Max. Discharge Current	950A (5s)	Life Expectancy	10-12 years according to EUROBAT	
Internal Resistance / Impedance (1kHz)	Approx. 5.0mΩ			
Nominal Oper. Temp. R.	20±3°C			



Dimensions

■ M8 Terminal

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



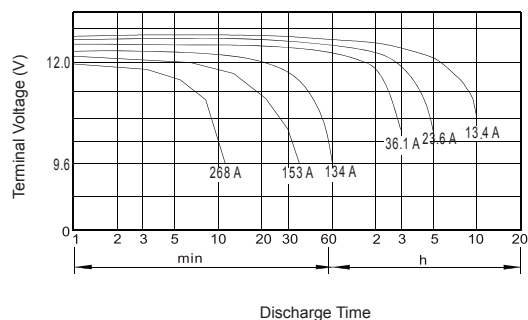
Constant Current Discharge (Amperes) at 20°C

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

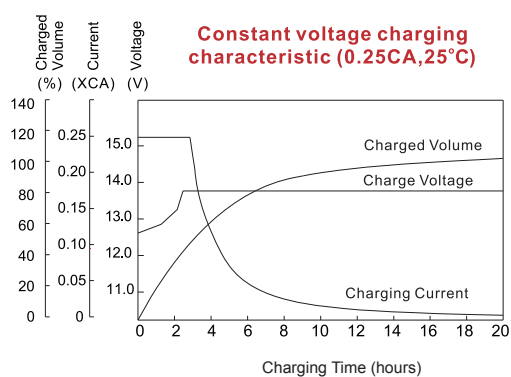
Constant Power Discharge (Watts/cell) at 20°C

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

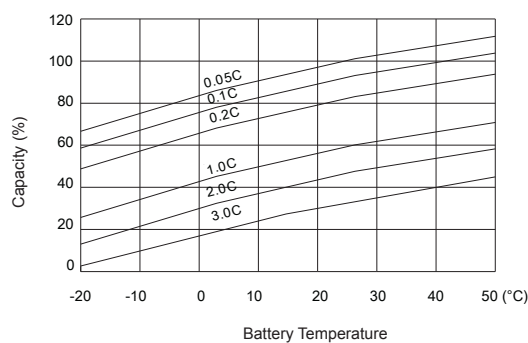
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life

