



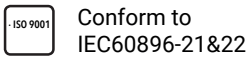
# SBL200-12i (12V200Ah)



## 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>Nominal Oper. Temp. R.</b>	20±3°C
<b>Nominal Capacity</b>	200.0Ah (C <sub>10</sub> , 10.8V)	<b>Operating Temp. Range</b>	Discharge: -20~50°C Charge: -10~50°C Storage: -20~50°C
<b>Approx. Weight</b>	59.1kg	<b>Standby Use</b>	No limit on Initial Charging Current. Voltage 2.295 V/cell at 20° C. Temperature Coefficient -20mV/°C.
<b>Terminal</b>	M8	<b>Capacity affected by Temp.</b>	40°C 103% 25°C 100% 0°C 86%
<b>Container Material</b>	ABS UL94 HB	<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>Rated Capacity (20°C)</b>	210Ah/10.50A, 20hr, 10.8V 200.0Ah/20.0A, 10hr, 10.8V 194.16Ah/24.27A, 8hr, 10.5V 173.5Ah/34.7A, 5hr, 10.5V 141.3Ah/47.1A, 3hr, 10.5V 129.0Ah/129.0A, 1hr, 9.6V	<b>Life Expectancy</b>	10-12 years according to EUROBAT
<b>Max. Discharge Current</b>	1000A (5s)		
<b>Internal Resistance / Impedance (1kHz)</b>	Approx. 4.0mΩ		



## Dimensions

### ■ M8 Terminal

Unit: mm | Dimensions: 522 Length X 238 Width X 218 Height (223 Height incl. Terminal)



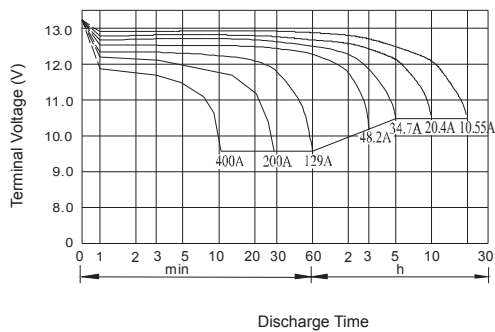
### Constant Current Discharge (Amperes) at 20°C

End Point	10min	15min	30min	45min	1h	1.5h	3h	5h	8h	10h	20h
1.60V/cell	-	-	196	-	129	95.3	50.3	36.9	25.5	21.1	10.70
1.65V/cell	-	-	188	-	126	93.1	49.1	36.2	25.08	20.9	10.65
1.70V/cell	-	-	181	-	123	90.8	48.2	35.4	24.7	20.7	10.60
1.75V/cell	-	-	175	-	120	88.5	47.1	34.7	24.27	20.4	10.55
1.80V/cell	-	-	168	-	117	86.2	45.7	33.9	23.79	20.0	10.50

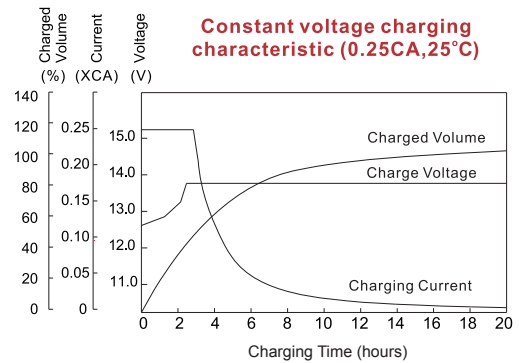
### Constant Power Discharge (Watts/cell) at 20°C

End Point	10min	15min	30min	45min	1h	1.5h	2h	3h	5h	8h
1.60V/cell	-	-	374	268	248	182.8	137	97.4	70.3	37.34
1.65V/cell	-	-	360	262	243	179	134	96.1	69.7	37.02
1.70V/cell	-	-	347	257	238	175.2	131	94.8	69.1	36.7
1.75V/cell	-	-	332	252	233	171.4	128	93.4	68.6	36.44
1.80V/cell	-	-	319	247	228	167.2	124	92.4	68.1	36.17

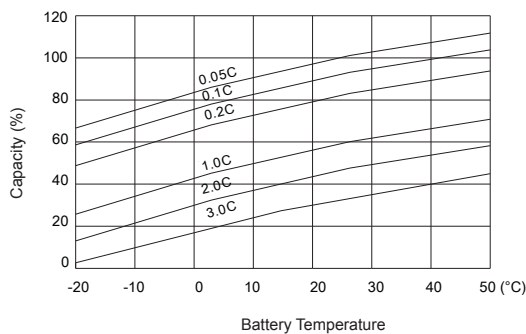
### Discharge Characteristics



### Float Charging Characteristics



### Temperature Effects in Relation to Battery Capacity



### Effect of Temperature on Long Term Float Life

