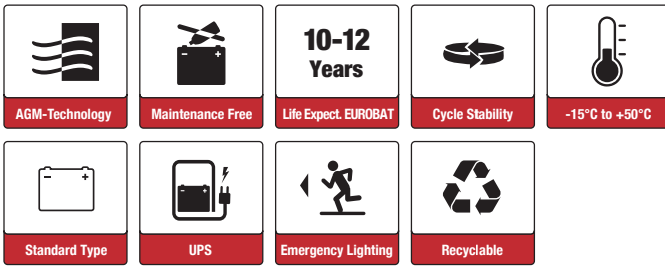




SBL200-12i (12V200Ah)



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

Conform to
IEC60896-21&22

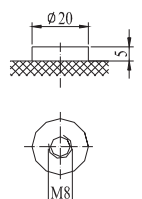
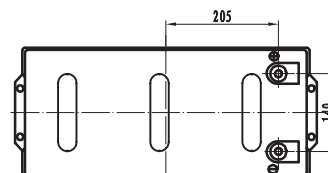
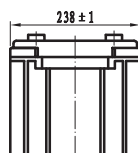
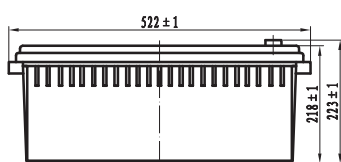
Specifications

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

Dimensions

■ M8 Terminal

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



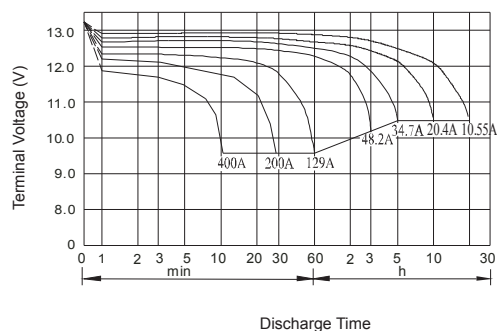
Constant Current Discharge (Amperes) at 20°C

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

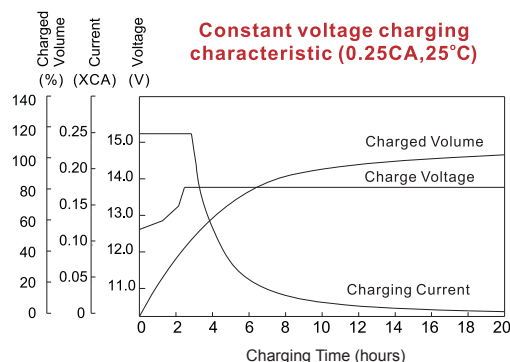
Constant Power Discharge (Watts/cell) at 20°C

End Point	10min	15min	30min	45min	1h	1.5h	2h	3h	5h	8h	10h	20h
1.60V/cell	-	-	374	268	248	182.8	137	97.4	70.3	47.2	38.4	19.5
1.65V/cell	-	-	360	262	243	179	134	96.1	69.7	46	37.42	19.40
1.70V/cell	-	-	347	257	238	175.2	131	94.8	69.1	45.5	37.02	19.30
1.75V/cell	-	-	332	252	233	171.4	128	93.4	68.6	44.2	35.96	19.20
1.80V/cell	-	-	319	247	228	167.2	124	92.4	68.1	43.3	35.23	19.10

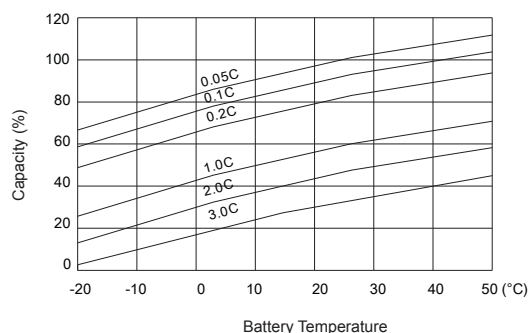
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life

