



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



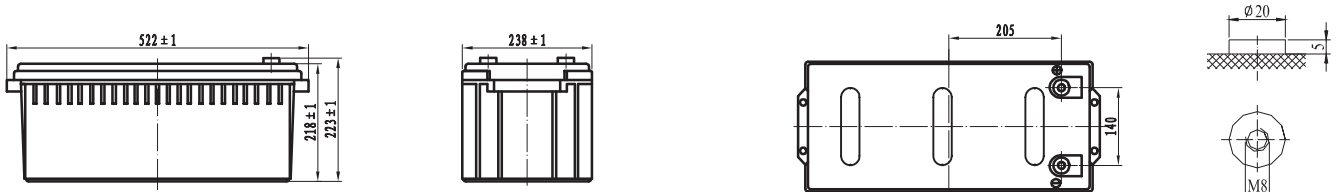
Specifications

| | | | |
|---|-----------------------------------|-----------------------------------|---|
| Nominal Voltage | 12V | Operating Temp. Range | Discharge: -20~50°C |
| Nominal Capacity | 200.0Ah (C ₁₀ , 10.8V) | | Charge: -10~50°C |
| Approx. Weight | 59.1kg | | Storage: -20~50°C |
| Terminal | M8 | Cycle Use | Initial Charging Current less than 60.0A. |
| Container Material | ABS UL94 HB | | Voltage 14.55V +1% at 20°C. |
| Rated Capacity (20°C) | 210Ah/10.50A, 20hr, 10.8V | | Temperature Coefficient -30mV/°C. |
| | 200.0Ah/20.0A, 10hr, 10.8V | Standby Use | No limit on Initial Charging Current. |
| | 194.16Ah/24.27A, 8hr, 10.5V | | Voltage 13.65V +1% at 20°C. |
| | 173.5Ah/34.7A, 5hr, 10.5V | | Temperature Coefficient -20mV/°C. |
| | 141.3Ah/47.1A, 3hr, 10.5V | Capacity affected by Temp. | 40°C 103% |
| | 129.0Ah/129.0A, 1hr, 9.6V | | 25°C 100% |
| Max. Discharge Current | 1000A (5s) | | 0°C 86% |
| Internal Resistance / Impedance (1kHz) | Approx. 4.0mΩ | 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. |
| Nominal Oper. Temp. R. | 20±3°C | Life Expectancy | 10-12 years according to EUROBAT |

Dimensions

■ M8 Terminal

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



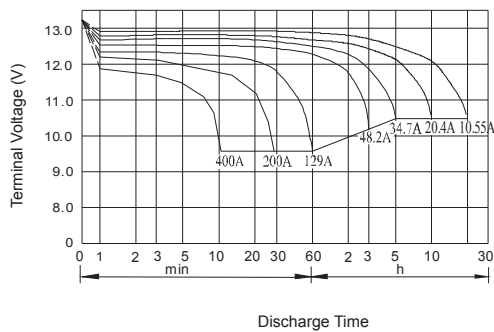
Constant Current Discharge (Amperes) at 20°C

| 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 |

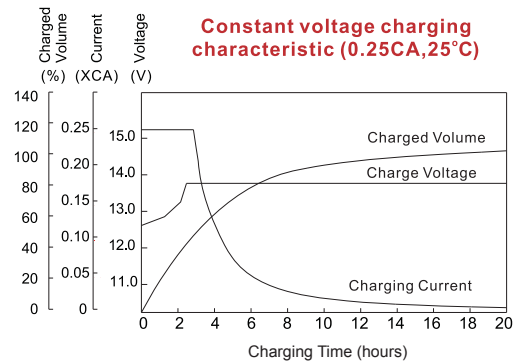
Constant Power Discharge (Watts/cell) at 20°C

| 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 |

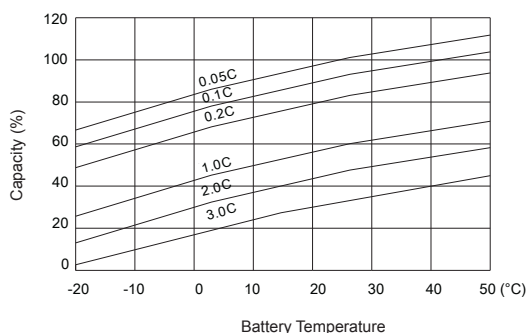
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life

