

SBL 5-12 / SB 5-12L (12V 5,0Ah)

Designed life time according to

Eurobat

6-9 years

Technology

VRLA-AGM

Voltage

12 V

Nominal capacity (10h-rate to 1,8 V/cell at 25°C)

5,0 Ah

Dimensions

Lenght 90 mm

Width 70 mm

High 101 mm

Total high 107 mm

Weight

~ 1,60 kg

Internal resistance (25°C)

~ 35 mΩ

Operating temperature range

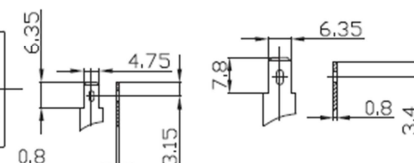
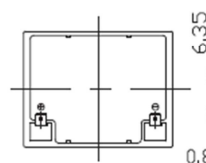
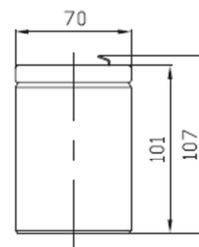
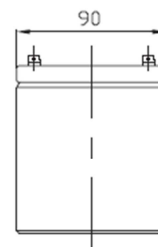
Discharge - 20°C ~ + 60°C

Charge - 0°C ~ + 50°C

Storage - 20°C ~ + 60°C

Container material

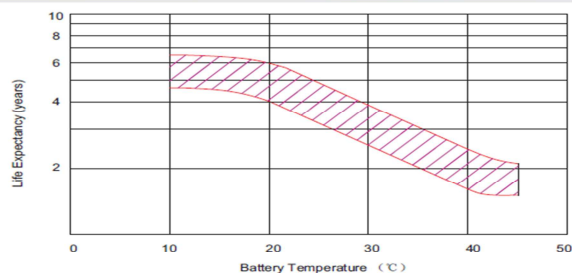
ABS (UL-94HB)



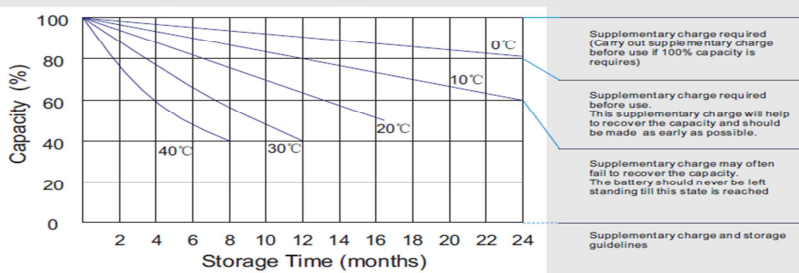
SB5-12

SB5-12L

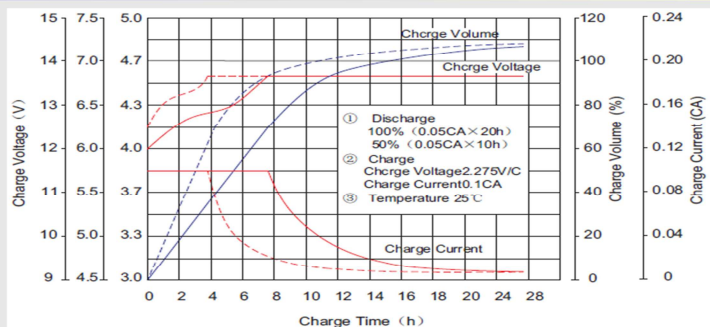
Effect of temperature on long term float life



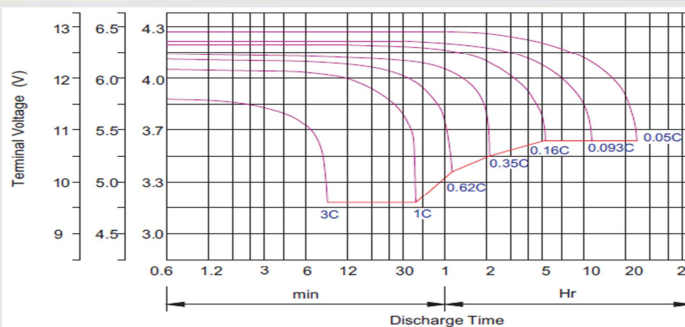
Storage characteristic



Charge characteristic Curve for standby use



Discharge characteristic Curve



CONSTANT CURRENT DISCHARGE CHARACTERISTICS (A at 25°C)

| napięcie/czas | 5 min | 10 min | 15 min | 30 min | 1 h | 2 h | 3 h | 4 h | 5 h | 8 h | 10 h | 20 h |
|---------------|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 9.6 V | 20.33 | 13.33 | 10.45 | 5.865 | 3.485 | 2.007 | 1.364 | 1.092 | 0.906 | 0.577 | 0.500 | 0.281 |
| 10.0 V | 19.60 | 13.00 | 10.11 | 5.790 | 3.390 | 1.967 | 1.339 | 1.076 | 0.891 | 0.575 | 0.495 | 0.270 |
| 10.2 V | 18.44 | 12.35 | 9.832 | 5.701 | 3.358 | 1.946 | 1.327 | 1.066 | 0.881 | 0.570 | 0.487 | 0.265 |
| 10.5 V | 16.58 | 11.55 | 9.274 | 5.544 | 3.292 | 1.920 | 1.315 | 1.055 | 0.871 | 0.565 | 0.485 | 0.257 |
| 10.8 V | 14.86 | 10.77 | 8.750 | 5.361 | 3.233 | 1.905 | 1.300 | 1.050 | 0.862 | 0.562 | 0.477 | 0.242 |
| 11.1 V | 13.00 | 9.876 | 8.072 | 5.157 | 3.146 | 1.828 | 1.274 | 1.041 | 0.853 | 0.558 | 0.469 | 0.238 |

CONSTANT POWER DISCHARGE CHARACTERISTICS (W at 25°C)

| napięcie/czas | 5 min | 10 min | 15 min | 30 min | 1 h | 2 h | 3 h | 4 h | 5 h | 8 h | 10 h | 20 h |
|---------------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 9.6 V | 213.88 | 141.78 | 111.85 | 67.14 | 40.47 | 23.42 | 15.94 | 12.92 | 10.73 | 6.913 | 5.988 | 3.362 |
| 10.0 V | 208.31 | 138.83 | 110.25 | 66.44 | 39.87 | 23.22 | 15.91 | 12.89 | 10.68 | 6.886 | 5.931 | 3.242 |
| 10.2 V | 198.14 | 133.34 | 108.79 | 65.87 | 39.58 | 23.07 | 15.85 | 12.78 | 10.57 | 6.835 | 5.875 | 3.182 |
| 10.5 V | 180.85 | 127.84 | 103.13 | 64.52 | 39.04 | 22.88 | 15.79 | 12.66 | 10.45 | 6.777 | 5.814 | 3.093 |
| 10.8 V | 163.16 | 119.59 | 97.43 | 62.99 | 38.41 | 22.70 | 15.60 | 12.62 | 10.34 | 6.747 | 5.726 | 2.913 |
| 11.1 V | 143.88 | 111.34 | 91.77 | 61.26 | 37.69 | 21.91 | 15.30 | 12.49 | 10.24 | 6.700 | 5.640 | 2.866 |