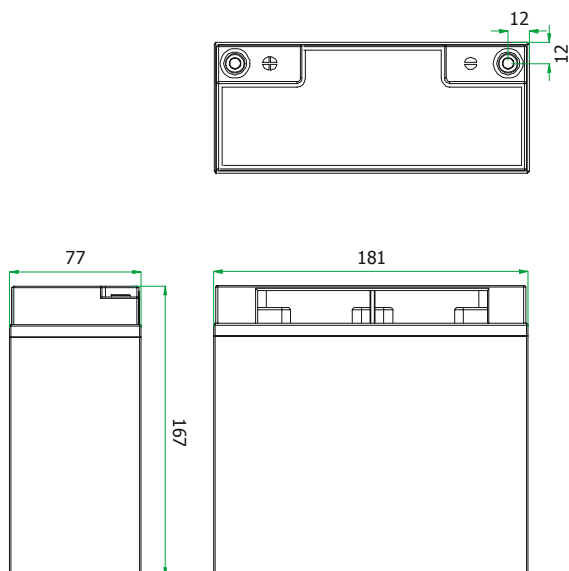


TECHNICAL DATA

| | | |
|--|-------------------------|------------------|
| Nominal voltage U_n | 12,0 V | |
| Nominal capacity (C_{20} @ 20°C) | 17,0 Ah | |
| Technology - Separator | AGM | |
| Designed service life (years) | 5-6 | |
| Classification according to EUROBAT | Standard Commercial | |
| Dimensions | Length | 181,0 mm |
| | Width | 77,0 mm |
| | Height | 167,0 mm |
| Weight | 6,06 kg | |
| Terminals | Thread M 5 | |
| Max. tightening torque | 5-6 Nm | |
| Available capacity at 1,75 V/ cell | 20 h | 17,00 Ah |
| | 10 h | 15,00 Ah |
| | 5 h | 13,00 Ah |
| | 3 h | 12,45 Ah |
| | 1 h | 11,40 Ah |
| Capacity C_{20} in dependence on operating temperature | 40°C | 103 % |
| | 20°C | 100 % |
| | 0°C | 86 % |
| | -15°C | 65 % |
| Range of operating temperatures | charging | -15°C + + 50°C |
| | discharging | -20°C + + 60°C |
| Internal resistance | 15,0 mΩ | |
| Constant voltage charging 15-25°C | Buffer operation | 2,25-2,30 V/cell |
| | Cyclic operation | 2,35-2,40 V/cell |
| Temperature compensation | Buffer operation | ± 3,0 mV/°C/cell |
| | Cyclic operation | ± 5,0 mV/°C/cell |
| Max. charge current | 4,25 A | |
| Self-discharge during storage at 20°C | Capacity after 1 month | 97 % |
| | Capacity after 3 months | 91 % |
| | Capacity after 6 months | 83 % |



DISCHARGE CHARACTERISTICS

| Cut-off voltage | Discharge time (minutes), watts / cell at 20°C | | | | | | | | | | | | |
|-----------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 60 | 90 | 120 | 180 |
| 1,75 V/cell | 99,09 | 76,69 | 58,67 | 48,60 | 41,60 | 36,04 | 32,00 | 28,96 | 26,83 | 21,65 | 15,11 | 11,64 | 8,02 |
| 1,70 V/cell | 103,73 | 78,23 | 59,82 | 49,62 | 42,08 | 36,51 | 32,31 | 29,28 | 27,12 | 21,85 | 15,30 | 11,82 | 8,23 |
| 1,65 V/cell | 108,00 | 79,34 | 60,88 | 50,17 | 42,66 | 36,83 | 32,60 | 29,57 | 27,37 | 22,08 | 15,38 | 11,89 | 8,26 |
| 1,60 V/cell | 112,92 | 81,65 | 62,66 | 51,00 | 43,23 | 37,34 | 33,13 | 29,88 | 27,77 | 22,31 | 15,60 | 11,99 | 8,29 |
| Cut-off voltage | Discharge time (minutes), Amps at 20°C | | | | | | | | | | | | |
| | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 60 | 90 | 120 | 180 |
| 1,75 V/cell | 54,70 | 42,16 | 32,06 | 26,32 | 22,38 | 19,38 | 17,08 | 15,42 | 14,23 | 11,40 | 7,91 | 6,07 | 4,15 |
| 1,70 V/cell | 57,74 | 43,31 | 32,91 | 27,13 | 22,90 | 19,74 | 17,36 | 15,68 | 14,45 | 11,56 | 8,04 | 6,17 | 4,26 |
| 1,65 V/cell | 60,46 | 44,00 | 33,58 | 27,50 | 23,30 | 19,97 | 17,57 | 15,85 | 14,63 | 11,69 | 8,10 | 6,22 | 4,28 |
| 1,60 V/cell | 63,46 | 45,51 | 34,63 | 27,97 | 23,64 | 20,28 | 17,91 | 16,07 | 14,87 | 11,85 | 8,21 | 6,27 | 4,32 |

OPERATION FEATURES

- Maintenance-free in respect of electrolyte checks and refilling
- Electrolyte absorbed into a spongy structure of glass fibre separators – technology AGM
- Safe operation ensured by the self-sealing system of safety valves
- Wide range of operating temperatures
- Sealed to exclude any electrolyte leakage
- Low internal resistance level and high charge current
- Perfect charging parameters
- Casing made of shock resistant slow burning ABS resin
- Low self-discharge level – less than 3% per month
- Compliant with BS6290 Pt 4, IEC 896-2, DIN 43534, EUROBAT, ISO 9001

BASIC APPLICATIONS

- Uninterruptible power supplies (UPS)
- Telecommunication and power industry
- Alarm, fire protection and emergency lighting systems
- Electronic tills, vending machines, parking meters
- Cable TV, medical equipment
- Solar energy systems