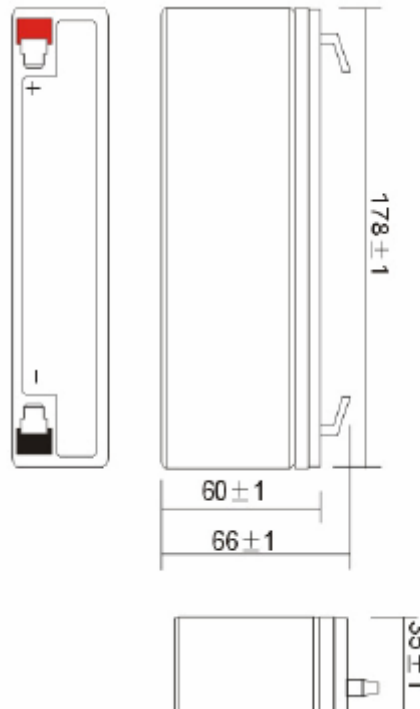


TECHNICAL DATA

| | | |
|--|-------------------------|------------------|
| Nominal voltage U_n | 12,0 V | |
| Nominal capacity (C_{20} @ 20°C) | 2,3 Ah | |
| Technology - Separator | AGM | |
| Designed service life (years) | 5-6 | |
| Classification according to EUROBAT | Standard Commercial | |
| Dimensions | Length | 178,0 mm |
| | Width | 35,0 mm |
| | Height | 60,0 mm |
| Weight | 1,00 kg | |
| Terminals | Fast-on 187 (4,75 mm) | |
| Max. tightening torque | - | |
| Available capacity at 20°C at 1,75 V/ cell | 20 h | 2,30 Ah |
| | 10 h | 2,10 Ah |
| | 5 h | 1,95 Ah |
| | 3 h | 1,68 Ah |
| | 1 h | 1,54 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 | 70,0 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 | 0,58 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 | 13,406 | 10,272 | 7,937 | 6,575 | 5,628 | 4,876 | 4,329 | 3,919 | 3,630 | 2,928 | 2,044 | 1,575 | 1,085 |
| 1,70 V/cell | 14,034 | 10,480 | 8,093 | 6,713 | 5,694 | 4,940 | 4,372 | 3,962 | 3,670 | 2,956 | 2,070 | 1,599 | 1,113 |
| 1,65 V/cell | 14,612 | 10,628 | 8,237 | 6,788 | 5,772 | 4,983 | 4,411 | 4,001 | 3,704 | 2,987 | 2,081 | 1,609 | 1,118 |
| 1,60 V/cell | 15,277 | 10,937 | 8,478 | 6,900 | 5,849 | 5,051 | 4,482 | 4,043 | 3,757 | 3,019 | 2,111 | 1,622 | 1,122 |
| 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 | 7,401 | 5,647 | 4,338 | 3,562 | 3,028 | 2,622 | 2,311 | 2,087 | 1,926 | 1,543 | 1,070 | 0,822 | 0,561 |
| 1,70 V/cell | 7,812 | 5,801 | 4,452 | 3,670 | 3,098 | 2,671 | 2,349 | 2,122 | 1,954 | 1,563 | 1,087 | 0,834 | 0,577 |
| 1,65 V/cell | 8,180 | 5,895 | 4,543 | 3,721 | 3,152 | 2,702 | 2,377 | 2,145 | 1,980 | 1,581 | 1,096 | 0,841 | 0,580 |
| 1,60 V/cell | 8,585 | 6,096 | 4,686 | 3,784 | 3,198 | 2,744 | 2,423 | 2,174 | 2,011 | 1,604 | 1,110 | 0,848 | 0,584 |

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