



# MWL 20-12

## 12V 20Ah

### Compliance with standards

PN-EN 60896-21:2007  
PN-EN 60896-22:2007  
PN-EN 61056-1:2008  
PN-EN 61056-2:2003(U)  
PN-E-83016:1999

MW Power MWL series batteries are mainly dedicated for use in emergency power supply systems e.g. UPS, emergency lighting, automation systems. The batteries can also be used in applications where the batteries are used in cycles. For depth of discharge up to 50% they have about 400 cycles.

The design life is 10-12 years for 20-25 °C.



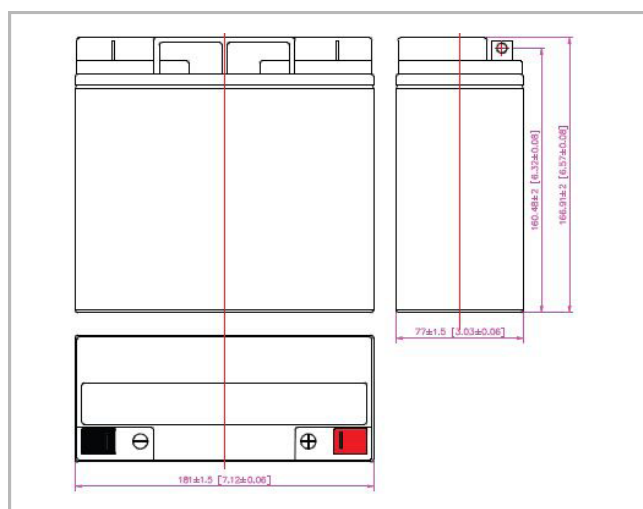
### Specification

|                  |              |         |
|------------------|--------------|---------|
| Nominal voltage  |              | 12V     |
| Nominal capacity |              | 20,0 Ah |
| Dimensions       | Length       | 181 mm  |
|                  | Width        | 77 mm   |
|                  | Height       | 167 mm  |
|                  | Total Height | 167 mm  |
| Weight           |              | 6,0 kg  |

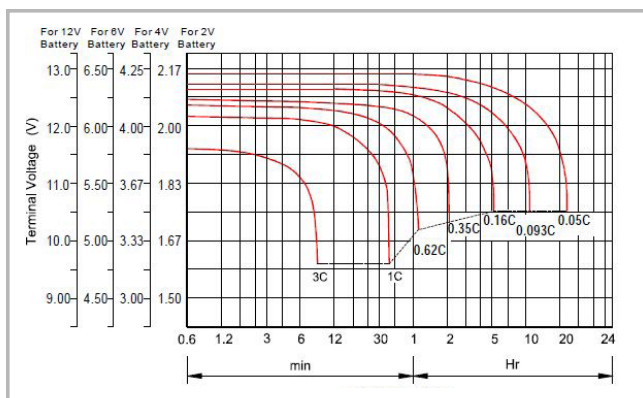
### Characteristics

|                                                  |                    |              |
|--------------------------------------------------|--------------------|--------------|
| Capacity for 25°C and a cut-off voltage of 10.5V | 20h                | 20,0 Ah      |
|                                                  | 10h                | 16,7 Ah      |
|                                                  | 5h                 | 14,8 Ah      |
| Internal resistance                              | Charge battery     | 15,0 mΩ      |
| Capacity                                         | for 20°C           | 100%         |
|                                                  | for 0°C            | 85%          |
|                                                  | for -15°C          | 65%          |
| Self-discharge                                   | 3 months           | 91%          |
|                                                  | 6 months           | 82%          |
|                                                  | 12 months          | 64%          |
| Terminal                                         | Top screw M5 (T13) |              |
| Charging                                         | Buffer             | 13,50-13,80V |
|                                                  | Cyclical           | 14,40-15,00V |
| Max. charging current                            | 6,0 A              |              |
| Max. discharge current                           | 230 A (5 sec.)     |              |
| Working temperatures:                            |                    |              |
| Discharge: -20°C ÷ 50°C                          |                    |              |
| Charging: -20°C ÷ 50°C                           |                    |              |
| Storage: -20°C ÷ 50°C                            |                    |              |

### Dimensions



### Discharge characteristics at temp. 25 °C



### Terminal

