



# MWL 45-12

## 12V 45Ah

### 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

Batteries MW Power type MWL are designed for use mainly in emergency power systems e.g. UPS, emergency lighting, automation systems. The batteries can also be used in applications, where they operate cyclically. For discharges of 50% can reach 400 cycles.

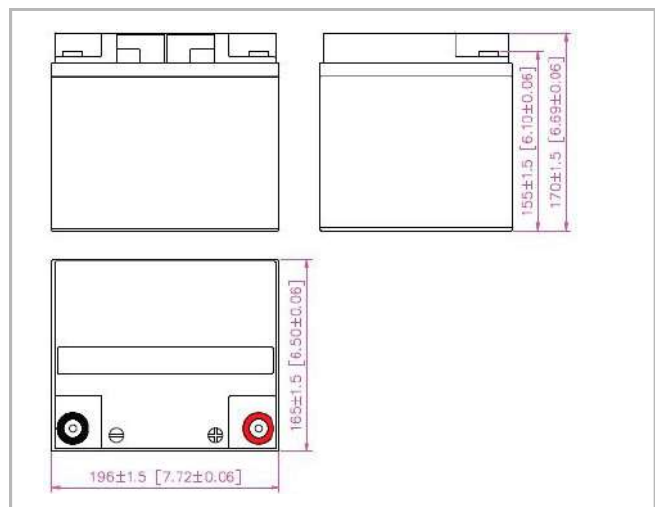
Designed service life 10-12 years to range of 20-25 °C.



### Specification

|                  |              |        |
|------------------|--------------|--------|
| Nominal voltage  | 12V          |        |
| Nominal capacity | 45,0 Ah      |        |
| Dimensions       | Length       | 196 mm |
|                  | Width        | 165 mm |
|                  | Height       | 155 mm |
|                  | Total height | 170 mm |
| Weight           | 14,0 kg      |        |

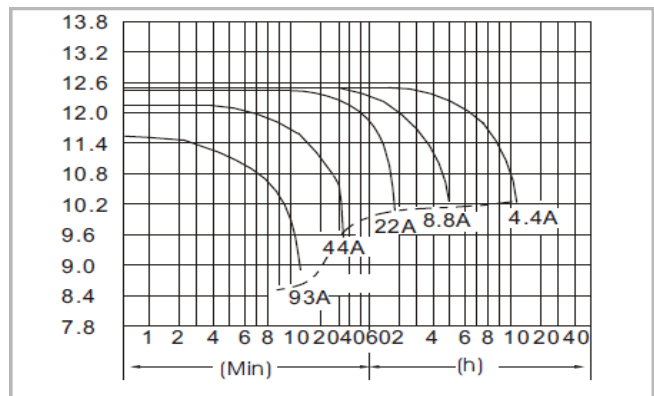
### Dimensions



### Characteristic

|   |                 |              |
|---|-----------------|--------------|
| Capacity for 25 °C and cut-off voltage 10.5 V | 20h             | 45,0 Ah      |
|   | 10h             | 44,0 Ah      |
|   | 5h              | 35,0 Ah      |
| Internal resistance                           | charged battery | 8,5 mΩ       |
| Capacity                                      | for 20°C        | 100%         |
|   | for 0°C         | 85%          |
|   | for -15°C       | 65%          |
| Self-discharge                                | 3 m-ths         | 91%          |
|   | 6 m-ths         | 82%          |
|   | 12 m-ths        | 64%          |
| Terminal                                      | Insert M6 (T16) |              |
| Charging                                      | Standby use     | 13,50-13,80V |
|   | Cyclic use      | 14,40-15,00V |
| Max. charge current                           | 15,0 A          |              |
| Max. discharge current                        | 450 A (5 sec.)  |              |
| Temperatures of work:                         |                 |              |
| Discharging: -20°C ÷ 50°C                     |                 |              |
| Charging: -20°C ÷ 50°C                        |                 |              |
| Storage: -20°C ÷ 50°C                         |                 |              |

### Input-discharge at 25 °C



### Terminal

