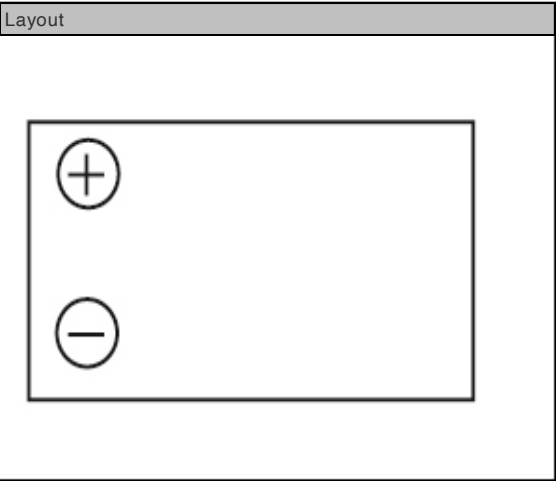


Yuvolt - Valve Regulated Lead Acid Battery

Y12-12

Data sheet

| Specifications                                                                                                        |                |            |
|-----------------------------------------------------------------------------------------------------------------------|----------------|------------|
| Nominal voltage                                                                                                       | 12             | V          |
| 20-hr rate capacity to 1.75VPC at 20°C                                                                                | 12,0           | Ah         |
| 10-hr rate capacity to 1.8VPC at 20°C                                                                                 | 10,6           | Ah         |
| Dimensions                                                                                                            |                |            |
| Length                                                                                                                | 151 (±1)       | mm         |
| Width                                                                                                                 | 98 (±1)        | mm         |
| Height                                                                                                                | 95 (±1)        | mm         |
| (Height over terminals)                                                                                               | 101 (±2)       | mm         |
| Mass (typical)                                                                                                        | 3,70           | kg         |
| Terminal type                                                                                                         |                |            |
| Faston (quickfit / release)                                                                                           | 6,35           | mm         |
| Operating temperature range                                                                                           |                |            |
| Storage                                                                                                               | -20°C to +60°C |            |
| Charge                                                                                                                | -15°C to +50°C |            |
| Discharge                                                                                                             | -20°C to +60°C |            |
| Storage                                                                                                               |                |            |
| Capacity loss per month at 20°C (approx)                                                                              | 3              | %          |
| Case material                                                                                                         |                |            |
| Flame retardant option (FR)                                                                                           | ABS (UL94:V0)  |            |
| Charge voltage                                                                                                        |                |            |
| Float charge voltage at 20°C                                                                                          | 13.65 (±1%)    | V          |
|                                                                                                                       | 2.275 (±1%)    | V/cell     |
| Float charge voltage temperature correction factor<br>(for variations from the standard 20°C)                         | -3             | mV/cell/°C |
| Cyclic (or boost) charge at 20°C                                                                                      | 14.5 (±3%)     | V          |
|                                                                                                                       | 2.42 (±3%)     | V/cell     |
| Cyclic charge voltage temperature correction factor<br>(for variations from the standard 20°C)                        | -4             | mV/cell/°C |
| Charge current                                                                                                        |                |            |
| Float charge current limit                                                                                            | No limit       | A          |
| Cyclic (or boost) charge current limit                                                                                | 3              | A          |
| Maximum discharge current                                                                                             |                |            |
| 1 minute                                                                                                              | 75             | A          |
| Short-circuit current & internal resistance                                                                           |                |            |
| (According to EN IEC 60896-21)                                                                                        |                |            |
| Internal resistance                                                                                                   | N/A            | mΩ         |
| Short-circuit current                                                                                                 | N/A            | A          |
| Impedance                                                                                                             |                |            |
| Measured at 1 kHz                                                                                                     | 18             | mΩ         |
| Design life                                                                                                           |                |            |
| EUROBAT Classification: Standard Commercial                                                                           | 3 to 5         | years      |
| Safety                                                                                                                |                |            |
| Installation                                                                                                          |                |            |
| Can be installed and operated in any orientation except permanently inverted                                          |                |            |
| Handles                                                                                                               |                |            |
| Batteries must not be suspended by their handles (where fitted)                                                       |                |            |
| Vent valves                                                                                                           |                |            |
| Each cell is fitted with a low pressure release valve to allow gasses to escape and then reseal                       |                |            |
| Gas release                                                                                                           |                |            |
| VRLA batteries release hydrogen gas which can form explosive mixtures in air. Do not place inside a sealed container  |                |            |
| Recycling                                                                                                             |                |            |
| Yuasa's VRLA batteries must be recycled at the end of life in accordance with local and national laws and regulations |                |            |



Third party certifications

ISO 9001 - Quality Management Systems  
ISO 14001 - Environmental Management Systems

Underwriters Laboratories Inc.



Standards

IEC61056

ALL DATA IS SUBJECT TO CHANGE WITHOUT NOTICE  
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