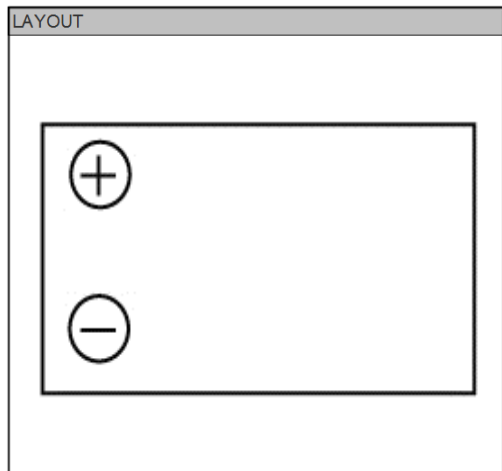
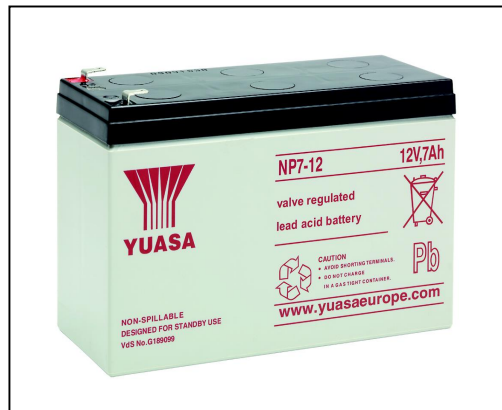


## NP-Series - Valve Regulated Lead Acid Battery

### NP7-12

| SPECIFICATIONS  |                |            |
|---|----------------|------------|
| Nominal voltage   | 12             | V          |
| 20-hr rate Capacity to 1.75VPC at 20°C  | 7              | Ah         |
| 10-hr rate Capacity to 1.75VPC at 20°C  | 6.4            | Ah         |
| DIMENSIONS  |                |            |
| Length  | 151 (±1)       | mm         |
| Width   | 65 (±1)        | mm         |
| Height  |                | mm         |
| (height over terminals)   | 97.5 (±2)      | mm         |
| Mass (typical)  | 2.2            | kg         |
| TERMINAL TYPE   |                |            |
| FASTON (Quickfit / release)   | 4.75           | 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   |                |            |
| Standard Option   | ABS (UL94:HB)  |            |
| 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 (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 (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  | 1.75           | A          |
| MAXIMUM DISCHARGE CURRENT   |                |            |
| 1 second  | 210            | A          |
| 1 minute  | 48             | A          |
| SHORT-CIRCUIT CURRENT & INTERNAL RESISTANCE (according to EN IEC 60896-21)  |                |            |
| Internal resistance   | N/A            | m          |
| Short-Circuit current   | N/A            | A          |
| IMPEDANCE   |                |            |
| Measured at 1 kHz   | 23             | m          |
| PERFORMANCE & CHARACTERISTICS   |                |            |
| Refer to the technical manual   | NP             |            |
| DESIGN LIFE   |                |            |
| EUROBAT Classification: Standard Commercial   | 3 to 5         | years      |
| Yuasa design life @ 20°C  | up to 5        | years      |
| SAFETY  |                |            |
| <b>Installation</b>   |                |            |
| Can be installed and operated in any orientation except permanently inverted  |                |            |
| <b>Handles</b>  |                |            |
| Batteries must not be suspended by their handles (where fitted)   |                |            |
| <b>Vent valves</b>  |                |            |
| Each cell is fitted with a low pressure release valve to allow gasses to escape and then reseal.                      |                |            |
| <b>Gas Release</b>  |                |            |
| VRLA Batteries release hydrogen gas which can form explosive mixtures in air. Do not place inside a sealed container  |                |            |
| <b>Recycling</b>  |                |            |
| YUASA's VRLA batteries must be recycled at the end of life in accordance with local and national laws and regulations |                |            |



#### 3RD PARTY CERTIFICATIONS

ISO 9001 - Quality Management Systems  
 ISO 14001 - Environmental Management Systems  
 EN 18001 - OHSAS Management Systems  
 UNDERWRITERS LABORATORIES Inc.  
 VdS (Germany) - VdS No: G189099



#### STANDARDS

IEC61056



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