# NP-Series - Valve Regulated Lead Acid Battery

## NP10-6

**Data Sheet**

| SPECIFICATIONS | | |
|---|---|---|
| Nominal voltage | 6 | V |
| 20-hr rate Capacity to 1.75VPC at 20°C | 10.00 | Ah |
| 10-hr rate Capacity to 1.75VPC at 20°C | 9.20 | Ah |
| DIMENSIONS | | |
| Length | 151 (±1) | mm |
| Width | 50 (±1) | mm |
| Height | | mm |
| (height over terminals) | 97.5 (±2) | mm |
| Mass (typical) | 1.93 | kg |
| TERMINAL TYPE | | |
| FASTON (Quickfit / release) | 4.75 | mm |
| Female threaded terminal | | |
| Torque | | Nm |
| 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 (UL.94:HB) | |
| Flame retardant option (FR) | ABS (UL94:V0) | |
| CHARGE VOLTAGE | | |
| Float charge voltage at 20°C | 6.825 (±1%)<br>2.275 (±1%) | V<br>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 | 7.26 (±3%)<br>2.42 (±3%) | V<br>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 | 2.50 | A |
| MAXIMUM DISCHARGE CURRENT | | |
| 1 second | 300 | A |
| 1 minute | 48 | 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 | 25 | mΩ |
| 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 | | |
| **Installation**<br>Can be installed and operated in any orientation except permanently inverted | | |
| **Handles**<br>Batteries must not be suspended by their handles (where fitted) | | |
| **Vent valves**<br>Each cell is fitted with a low pressure release valve to allow gasses to escape and then reseal. | | |
| **Gas Release**<br>VRLA Batteries release hydrogen gas which can form explosive mixtures in air. Do not place inside a sealed container | | |
| **Recycling**<br>YUASA's VRLA batteries must be recycled at the end of life in accordance with local and national laws and regulations | | |

LAYOUT

**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: G189170
IEC61056

**STANDARDS**

IEC61056

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