

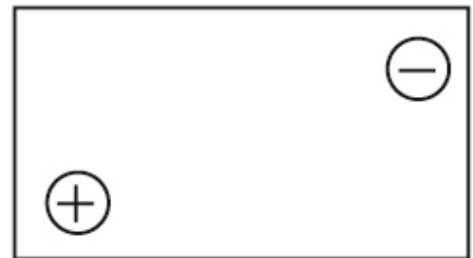
## NP-Series - Valve Regulated Lead Acid Battery

### NP4-6

| SPECIFICATIONS  |   |            |
|---|---|------------|
| Nominal voltage   | 6   | V          |
| 20-hr rate Capacity to 1.75VPC at 20°C  | 4   | Ah         |
| 10-hr rate Capacity to 1.75VPC at 20°C  | 3.7   | Ah         |
| DIMENSIONS  |   |            |
| Length  | 70 (±1)   | mm         |
| Width   | 47 (±1)   | mm         |
| Height  |   | mm         |
| (height over terminals)   | 105.5 (±2)  | mm         |
| Mass (typical)  | 0.87  | 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  | 6.825 (±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  | 7.26 (±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   | A          |
| MAXIMUM DISCHARGE CURRENT   |   |            |
| 1 second  | 120   | A          |
| 1 minute  | 40  | A          |
| SHORT-CIRCUIT CURRENT & INTERNAL RESISTANCE<br>(according to EN IEC 60896-21)               |   |            |
| Internal resistance   | N/A   | mΩ         |
| Short-Circuit current   | N/A   | A          |
| IMPEDANCE   |   |            |
| Measured at 1 kHz   | 28  | 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  |   |            |
| <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 |            |



#### LAYOUT



#### 3RD PARTY CERTIFICATIONS

ISO 9001 - Quality Management Systems  
 ISO 14001 - Environmental Management Systems  
 EN 18001 - OHSAS Management Systems  
 UNDERWRITERS LABORATORIES Inc.



#### STANDARDS

IEC61056



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Issue No.: V.2 / Issue Date: March 2011



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