# **Data Sheet**

# NP-Series - Valve Regulated Lead Acid Battery NP17-12I

| or Edit Idaniono  |                            |                |
|---|----------------------------|----------------|
| Nominal voltage   | 12                         | V              |
| 20-hr rate Capacity to 1.75VPC at 20°C  | 17                         | Ah             |
| 10-hr rate Capacity to 1.75VPC at 20°C  | 15.7                       | Ah             |
| DIMENSIONS  |                            |                |
| Length  | 181 (±1)                   | mm             |
| Width   | 76 (±1)                    | mm             |
| Height  | 167 (±2)                   | mm             |
| (height over terminals)   | N/A                        | mm             |
| Mass (typical)  | 6.1                        | kg             |
| TERMINAL TYPE   |                            |                |
| Female threaded terminal  | M5                         |                |
| Torque  | 2.45                       | 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  | 13.65 (±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  | 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                   | Α              |
|   | 4.25                       | A              |
| Cyclic (or Boost) charge current limit  MAXIMUM DISCHARGE CURRENT                           | 4.20                       | A              |
| 1 second  | 510                        | A              |
|   | 510                        | A A            |
| 1 minute SHORT-CIRCUIT CURRENT & INTERNAL RESISTANCE  | 48                         | A              |
|   |                            |                |
| (according to EN IEC 60896-21)  | 04.47                      |                |
| Internal resistance   | 34.47                      | mΩ             |
| Short-Circuit current   | 421                        | A              |
| IMPEDANCE   | 1                          |                |
| Measured at 1 kHz   | 18                         | mΩ             |
| PERFORMANCE & CHARACTERISTICS   |                            |                |
|   | l ND                       |                |
|   | NP                         |                |
| Refer to the technical manual DESIGN LIFE   | NP                         |                |
|   | 3 to 5                     | years          |
| DESIGN LIFE   |                            | years<br>years |



**SPECIFICATIONS** 

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

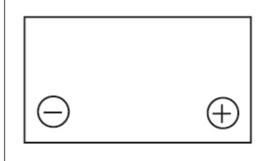
VRLA Batteries release hydrogen gas which can form explosive mixtures in air. Do not place inside a sealed container

#### Recycling

YUASA's VRLA batteries must be recycled at the end of life in accordance with local and national laws and regulations







## 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: G147022



#### STANDARDS

IEC61056









ALL DATA IS SUBJECT TO CHANGE WITHOUT NOTICE Issue No.: V.2 / Issue Date: March 2011



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