



**Yuasa NP0.8-12 Industrial VRLA Battery**

**Specifications**

|   |      |
|---|------|
| Nominal voltage (V)                       | 12   |
| 20-hr rate Capacity to 10.5V at 20°C (Ah) | 0.8  |
| 10-hr rate Capacity to 10.8V at 20°C (Ah) | 0.74 |

**Dimensions**

|             |           |
|-------------|-----------|
| Length (mm) | 96 (±1)   |
| Width (mm)  | 25 (±1)   |
| Height (mm) | 61.5 (±2) |
| Mass (kg)   | 0.35      |

**Terminal Type**

|  |                   |
|--|-------------------|
| FASTON - Quickfit / release (JST where stated) | PLUG-JST No VHR2N |
|--|-------------------|

**Operating Temperature Range**

|                                      |                |
|--------------------------------------|----------------|
| Storage (in fully charged condition) | -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 | ABS (UL94:HB) |
|----------|---------------|

**Charge Voltage**

|   |             |
|---|-------------|
| Float charge voltage at 20°C (V)/Block                      | 13.65 (±1%) |
| Float charge voltage at 20°C (V)/Cell                       | 2.275 (±1%) |
| Float Chg voltage tmp correction factor from std 20°C (mV)  | -3          |
| Cyclic (or Boost) charge Voltage at 20°C (V)/Block          | 14.5 (±3%)  |
| Cyclic (or Boost) charge Voltage at 20°C (V)/Cell           | 2.42 (±3%)  |
| Cyclic Chg voltage tmp correction factor from std 20°C (mV) | -4          |

**Charge Current**

|  |          |
|--|----------|
| Float charge current limit (A)             | No limit |
| Cyclic (or Boost) charge current limit (A) | 0.2      |

**Maximum Discharge Current**

|              |    |
|--------------|----|
| 1 second (A) | 24 |
| 1 minute (A) | 5  |

**Impedance**

|                        |     |
|------------------------|-----|
| Measured at 1 kHz (mΩ) | 180 |
|------------------------|-----|

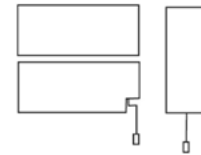
**Design Life & Approvals**

|   |         |
|---|---------|
| EUROBAT Classification: Standard Commercial | 3 to 5  |
| Yuasa design life at 20°C (yrs)             | up to 5 |

Art. no: SAANP0.8-12



**Layout**



**3rd Party Certifications**

ISO9001 - Quality Management Systems  
UNDERWRITERS LABORATORIES Inc.



**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 the 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.

