# Yuasa Technical Data Sheet

### Yuasa NP4-12 Industrial VRLA Battery

<b>Specifications</b> Nominal voltage (V) 20-hr rate Capacity to 10.5V at 20°C (Ah) 10-hr rate Capacity to 10.8V at 20°C (Ah)	12 4 3.7
<b>Dimensions</b> Length (mm) Width (mm) Height over terminals (mm) Mass (kg)	90 (±1) 70 (±1) 106 (±2) 1.75
<b>Terminal Type</b> FASTON - Quickfit / release (JST where stated)	4.75
<b>Operating Temperature Range</b> Storage (in fully charged condition) Charge Discharge	-20°C to +60°C -15°C to +50°C -20°C to +60°C
<b>Storage</b> Capacity loss per month at 20°C (% approx.)	3
<b>Case Material</b> Standard FR version available	ABS (UL94:HB) UL94:V0
<b>Charge Voltage</b> Float charge voltage at 20°C (V)/Block Float charge voltage at 20°C (V)/Cell Float Chg voltage tmp correction factor from std 20°C (mV)	13.65 (±1%) 2.275 (±1%) -3
Cyclic (or Boost) charge Voltage at 20°C (V)/Block Cyclic (or Boost) charge Voltage at 20°C (V)/Cell Cyclic Chg voltage tmp correction factor from sto 20°C (mV)	2.42 (±3%)
<b>Charge Current</b> Float charge current limit (A) Cyclic (or Boost) charge current limit (A)	No limit 1
Maximum Discharge Current 1 second (A)	120





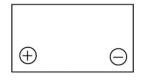
Layout

40

40

3 to 5

up to 5



#### **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.



YUAS

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EUROBAT Classification: Standard Commercial

1 minute (A)

Impedance

Measured at 1 kHz (m $\Omega$ )

**Design Life & Approvals** 

Yuasa design life at 20°C (yrs)

The world's leading battery manufacturer

www.yuasaeurope.com