## Yuasa Technical Data Sheet

#### Yuasa NP2.1-12 Industrial VRLA Battery

**Specifications** 

Nominal voltage (V) 12 20-hr rate Capacity to 10.5V at 20°C (Ah) 2.1 10-hr rate Capacity to 10.8V at 20°C (Ah) 1.9

**Dimensions** 

Length (mm) 178 (±1) Width (mm) 34 (±1) Height over terminals (mm) 64 (±2) Mass (kg) 0.82

**Terminal Type** 

FASTON - Quickfit / release (IST where stated) 4.75

**Operating Temperature Range** 

Storage (in fully charged condition) -20°C to +60°C Charge -15°C to +50°C -20°C to +60°C Discharge

**Storage** 

Capacity loss per month at 20°C (% approx.)

**Case Material** 

Standard ABS (UL94:HB) FR version available UL94:V0

**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 -3

20°C (mV)

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 -4

20°C (mV)

**Charge Current** 

Float charge current limit (A) No limit 0.525 Cyclic (or Boost) charge current limit (A)

**Maximum Discharge Current** 

63 1 second (A) 21 1 minute (A)

**Impedance** 

65 Measured at 1 kHz (mΩ)

**Design Life & Approvals** 

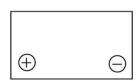
**EUROBAT Classification: Standard Commercial** 3 to 5 Yuasa design life at 20°C (yrs) up to 5

VdS No: G 100012 VdS (Germany)





#### 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.







