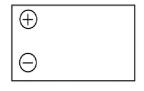
# Yuasa Technical Data Sheet

### Yuasa NP7-12FR Industrial VRLA Battery

<b>Specifications</b> Nominal voltage (V) 10-hr rate Capacity to 1.8V/Cell at 20°C (Ah) 20-hr rate Capacity to 1.75V/Cell at 20°C (Ah)	12 6.4 7
<b>Dimensions</b> Length (mm) Width (mm) Height over terminals (mm) Mass (kg)	151 (±1) 65 (±1) 97.5 (±2) 2.2
<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	ABS (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 str 20°C (mV)	13.65 (±1%) 2.275 (±1%) d -3
Cyclic (or Boost) charge Voltage at 20°C (V)/Bloc Cyclic (or Boost) charge Voltage at 20°C (V)/Cell Cyclic Chg voltage tmp correction factor from st 20°C (mV)	2.42 (±3%)
<b>Charge Current</b> Float charge current limit (A) Cyclic (or Boost) charge current limit (A)	No limit 1.75
<b>Maximum Discharge Current</b> 1 second (A) 1 minute (A)	210 48
Impedance	22



Layout



## **3rd Party Certifications** ISO9001 - Quality Management Systems



# Safety

#### Installation

Can be installed and operated in orientations up to  $90^\circ$  from the upright position.

# 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.



YUASA

Data Sheet generated on 15/10/2024 – E&OE

Measured at 1 kHz (mΩ)

**Design Life & Approvals** 

Yuasa design life at 20°C (yrs)

EUROBAT Classification: Standard Commercial



23

3 to 5 years

up to 5

www.yuasaeurope.com

