# Yuasa Technical Data Sheet

## Yuasa EN100-6 Industrial VRLA Battery

**Specifications** Nominal voltage (V) 10m rate Constant Power (Typ) to 1.6V/cell at 20°C (W/Cell)

10-hr rate Capacity to 1.8V/Cell at 20°C (Ah)

**Dimensions** 

Length (mm) 200 (±0.5) Width (mm) 208 (±1) Height (mm) 238 (±1) 23 Mass (kg)

420

102

**Terminal Type** 

Threaded terminal - (M=Male or F=Female) M8 (M) Torque (Nm) 6 (±0.5)

**Operating Temperature Range** 

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

**Storage** 

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

**Case Material** 

Standard ABS (UL94:V0)

**Charge Voltage** 

Float charge voltage at 20°C (V)/Block 6.78 (±1%) Float charge voltage at 20°C (V)/Cell 2.26 (±1%)

Float Chg voltage tmp correction factor from std -3

20°C (mV)

Cyclic (or Boost) charge Voltage at 20°C (V)/Block 7.2 (±2%) Cyclic (or Boost) charge Voltage at 20°C (V)/Cell 2.40 (±2%) Cyclic Chg voltage tmp correction factor from std -4

20°C (mV)

**Charge Current** No limit Float charge current limit (A) Cyclic (or Boost) charge current limit (A) 25.5

**Maximum Discharge Current** 

1000 1 second (A) 1 minute (A) 600

**Short-Circuit Current & Internal Resistance** 

Internal resistance - according to EN IEC 60896-21 3.2  $(m\Omega)$ 

Short-Circuit current - according to EN IEC 2222

60896-21 (A)

**Impedance** 

Measured at 1 kHz ( $m\Omega$ ) 2

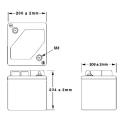
**Design Life & Approvals** 

EUROBAT Classification: Very Long Life 12+ Yuasa design life at 20°C (yrs) 12





# Layout



# **3rd Party Certifications**

ISO9001 - Quality Management Systems ISO14001 - Environmental Management Systems EN 18001 OHSAS 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.









