# Yuasa Technical Data Sheet

## Yuasa SW280 Industrial VRLA Battery

**Specifications** 

Nominal voltage (V) 12 10m rate Constant Power (Typ) to 9.6V at 20°C 280

(W/Block)

10m rate Constant Power (Typ) to 1.6V/cell at 46.7

20°C (W/Cell)

**Dimensions** 

Length (mm) 151 (±1) Width (mm) 65 (±1) Height over terminals (mm) 97.5 (±2) Mass (kg) 2.6

**Terminal Type** 

FASTON - Quickfit / release (JST where stated) 6.35

**Operating Temperature Range** 

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

**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) 1.9 Cyclic (or Boost) charge current limit (A) 1.9

**Maximum Discharge Current** 

1 second (A) 150 1 minute (A) 50

**Impedance** 

Measured at 1 kHz ( $m\Omega$ ) 14

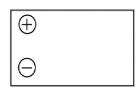
**Design Life & Approvals** 

**EUROBAT Classification: General Purpose** 6 to 9 years





## Layout



#### **3rd Party Certifications**

ISO9001 - Quality Management Systems ISO14001 - Environmental Management Systems ISO45001 OHSAS Management Systems UNDERWRITERS LABORATORIES Inc.







# Safety

### Installation

Can be installed and operated in orientations up to 90° 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.









