# Yuasa Technical Data Sheet

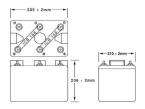
## Yuasa ENL160-6 Industrial VRLA Battery

Specifications Nominal voltage (V)	6
10m rate Constant Power (Typ) to 1.6V/cell at 20°C (W/Cell)	638
10-hr rate Capacity to 1.8V/Cell at 20°C (Ah) Dimensions	160
Length (mm) Width (mm) Height (mm)	305 (±3) 210 (±2) 240 (±2)
Mass (kg)	36.7
<b>Terminal Type</b> Threaded terminal - (M=Male or F=Female) Torque (Nm)	M8 (F) 6 (±0.5)
Operating Temperature Range	
Storage (in fully charged condition) Charge Discharge	-20°C to +50°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)
Charge Voltage	
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)	6.78 (±1%) 2.26 (±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 std 20°C (mV)	7.2 (±2%) 2.40 (±2%) -4
Charge Current	
Float charge current limit (A) Cyclic (or Boost) charge current limit (A)	No limit 40.75
Maximum Discharge Current	
1 second (A) 1 minute (A)	1500 960
Short-Circuit Current & Internal Resistance Internal resistance - according to EN IEC 60896-21 ( $m\Omega$ )	2.15
Short-Circuit current - according to EN IEC 60896-21 (A)	3200
<b>Impedance</b> Measured at 1 kHz (mΩ)	1.5
Design Life & Approvals	
EUROBAT Classification: Very Long Life Yuasa design life at 20°C (yrs)	12+ years 15 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 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

www.yuasaeurope.com