Yuasa Technical Data Sheet

Yuasa NP38-12I Industrial VRLA Battery

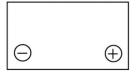
Specifications

DimensionsLength (mm)197 (±1)Width (mm)165 (±1)Height (mm)170 (±2)Mass (kg)14.2Terminal TypeM5 (F)Threaded terminal - (M=Male or F=Female)M5 (F)Torque (Nm)2.45Operating Temperature RangeStorage (in fully charged condition)Storage (in fully charged condition)-20°C to +60°CCharge-15°C to +50°CDischarge-20°C to +60°CCharge-20°C to +60°CBacity loss per month at 20°C (% approx.)3StandardABS (UL94:HB)FR version availableUL94:V0Float charge voltage at 20°C (V/Block13.65 (±1%)Float charge voltage at 20°C (V/Cell2.275 (±1%)Float charge voltage at 20°C (V/Cell-320°C (mV)-3Cyclic (or Boost) charge Voltage at 20°C (V/Cell2.42 (±3%)Cyclic Chg voltage tmp correction factor from std-3Cyclic Chg voltage tmp correction factor from std-320°C (mV)-3Cyclic (or Boost) charge Voltage at 20°C (V/Cell2.42 (±3%)Cyclic Chg voltage tmp correction factor from std-3Cyclic Chg voltage t
Threaded terminal - (M=Male or F=Female) Torque (Nm)M5 (F) 2.45Operating Temperature Range2.45Storage (in fully charged condition) Charge-20°C to +60°C -15°C to +50°C 20°C to +60°CDischarge-20°C to +60°CDischarge-20°C to +60°CStorage Capacity loss per month at 20°C (% approx.)3Case Material Standard FR version availableUL94:W0Charge 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)3.65 (±1%) 2.275 (±1%)Cyclic (or Boost) charge Voltage at 20°C (V)/Block Cyclic (or Boost) charge Voltage at 20°C (V)/Cell4.5 (±3%) 2.42 (±3%)Cyclic Chg voltage tmp correction factor from std Cyclic Chg voltage tmp correction factor from std14.5 (±3%) 2.42 (±3%)
Storage (in fully charged condition)-20°C to +60°CCharge-15°C to +50°CDischarge-20°C to +60°CStorage-20°C to +60°CStorage-20°C to +60°CStandardAStandardABS (UL94:HB)FR version availableUL94:V0Charge Voltage-20°C (V)/BlockFloat charge voltage at 20°C (V)/Cell2.275 (±1%)Float Charge voltage at 20°C (V)/Cell-320°C (mV)-3Cyclic (or Boost) charge Voltage at 20°C (V)/Block14.5 (±3%)Cyclic Chg voltage tmp correction factor from std-4
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Charge CurrentNo limitFloat charge current limit (A)No limitCyclic (or Boost) charge current limit (A)9.5
Maximum Discharge Current1 second (A)5001 minute (A)200
Short-Circuit Current & Internal Resistance Internal resistance - according to EN IEC 60896-21 18.22 (mΩ)
Short-Circuit current - according to EN IEC 804 60896-21 (A)
Impedance Measured at 1 kHz (mΩ) 9
Design Life & ApprovalsEUROBAT Classification: Standard Commercial3 to 5 yearsYuasa design life at 20°C (yrs)up to 5VdS (Germany)VdS No: G 182024





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.





Data Sheet generated on 19/11/2021 - E&OE

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