Yuasa Technical Data Sheet

Yuasa NPH5-12 Industrial VRLA Battery

Specifications Nominal voltage (V) 10m rate Constant Power (Typ) to 9.6V at 20°C (W/Block) 10m rate Constant Power (Typ) to 1.6V/cell at 20°C (W/Cell) 20-hr rate Capacity to 10.5V at 20°C (Ah) 10-hr rate Capacity to 10.8V at 20°C (Ah)	12 190 31.7 5 4.63
Dimensions Length (mm) Width (mm) Height (mm) Height over terminals (mm) Mass (kg) Terminal Type FASTON - Quickfit / release (JST where stated)	90 (±1) 70 (±1) 102 (±0.5) 106 (±2) 1.85 6.35
Operating Temperature Range Storage (in fully charged condition) Charge Discharge	-20°C to +60°C -15°C to +50°C -20°C to +60°C
Storage Capacity loss per month at 20°C (% approx.)	3
Case Material	
Standard FR version available	ABS (UL94:HB) UL94:V0
FR version available 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	
FR version available Charge Voltage Float charge voltage at 20°C (V)/Block Float charge voltage at 20°C (V)/Cell	UL94:V0 13.65 (±1%) 2.275 (±1%) -3 14.5 (±3%) 2.42 (±3%)
FR version available 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) 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	UL94:V0 13.65 (±1%) 2.275 (±1%) -3 14.5 (±3%) 2.42 (±3%)
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FR version available 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) 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) Charge Current Float charge current limit (A) Cyclic (or Boost) charge current limit (A) Cyclic (or Boost) charge current limit (A) Maximum Discharge Current 1 second (A)	UL94:V0 13.65 (±1%) 2.275 (±1%) -3 14.5 (±3%) 2.42 (±3%) -4 No limit 1.2675 150





Layout



3rd Party Certifications

ISO9001 - Quality 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

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