Yuasa Technical Data Sheet

Yuasa NPH5-12 Industrial VRLA Battery

	VICEA Duttery	
Specifications Nominal voltage (V) 10m rate Constant Power (T (W/Block)	yp) to 9.6V at 20°C	12 190
10m rate Constant Power (T 20°C (W/Cell)	yp) to 1.6V/cell at	31.7
10-hr rate Capacity to 1.8V/0 20-hr rate Capacity to 1.75V		4.63 5
Dimensions Length (mm) Width (mm) Height (mm) Height over terminals (mm) Mass (kg)		90 (±1) 70 (±1) 102 (±0.5) 106 (±2) 1.85
Terminal Type FASTON - Quickfit / release (JST where stated)	6.35
Operating Temperature R a Storage (in fully charged cor Charge Discharge		-20°C to +60°C -15°C to +50°C -20°C to +60°C
Storage Capacity loss per month at 2	20°C (% approx.)	3
Case Material Standard FR version available		ABS (UL94:HB) UL94:V0
Charge Voltage Float charge voltage at 20°C Float charge voltage at 20°C Float Chg voltage tmp correct 20°C (mV)	(V)/Cell	13.65 (±1%) 2.275 (±1%) -3
Cyclic (or Boost) charge Volt Cyclic (or Boost) charge Volt Cyclic Chg voltage tmp corre 20°C (mV)	age at 20°C (V)/Cell	14.5 (±3%) 2.42 (±3%) -4
Charge Current Float charge current limit (A Cyclic (or Boost) charge curr		No limit 1.2675
Maximum Discharge Curre 1 second (A) 1 minute (A)	ent	150 50
Impedance Measured at 1 kHz (mΩ)		25
Design Life & Approvals EUROBAT Classification: Star Yuasa design life at 20°C (yr:		3 to 5 years up to 5





Layout



3rd Party Certifications

ISO9001 - Quality Management Systems



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.



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