Yuasa Technical Data Sheet
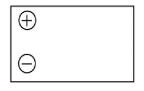
Yuasa NP7-12LFR Industrial VRLA Battery

Specifications
Nominal voltage (V)	12
10-hr rate Capacity to 1.8V/Cell at 20°C (Ah)	6.4
20-hr rate Capacity to 1.75V/Cell at 20°C (Ah)	7

Dimensions
Length (mm)	151 (±1)
Width (mm)	65 (±1)
Height over terminals (mm)	97.5 (±2)
Mass (kg)	2.2

Terminal Type
FASTON - Quickfit / release (JST where stated)	6.35

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

Storage
Capacity loss per month at 20°C (% approx.)	3

Case Material
Standard	ABS (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 20°C (mV)	-3
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 20°C (mV)	-4

Charge Current
Float charge current limit (A)	No limit
Cyclic (or Boost) charge current limit (A)	1.75

Maximum Discharge Current
1 second (A)	210
1 minute (A)	70

Impedance
Measured at 1 kHz (mΩ)	23

Design Life & Approvals
EUROBAT Classification: Standard Commercial	3 to 5 years
Yuasa design life at 20°C (yrs)	up to 5

Layout

3rd Party Certifications
ISO9001 - Quality Management Systems

Cert. No.: FM 10626

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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