Yuasa Technical Data Sheet

Yuasa NP12-12FR Industrial VRLA Battery

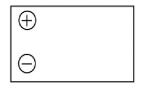
Specifications

Specifications Nominal voltage (V) 10-hr rate Capacity to 1.8V/Cell at 20°C (Ah) 20-hr rate Capacity to 1.75V/Cell at 20°C (Ah)	12 11.1 12
Dimensions Length (mm) Width (mm) Height over terminals (mm) Mass (kg)	151 (±1) 98 (±1) 97.5 (±2) 4.05
Terminal Type FASTON - Quickfit / release (JST where stated)	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	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) Cyclic (or Boost) charge Voltage at 20°C (V)/Block	13.65 (±1%) 2.275 (±1%) -3 14.5 (±3%)
Cyclic (or Boost) charge Voltage at 20°C (V)/Cell Cyclic Chg voltage tmp correction factor from std 20°C (mV)	2.42 (±3%)
Charge Current Float charge current limit (A) Cyclic (or Boost) charge current limit (A)	No limit 3
Maximum Discharge Current 1 second (A) 1 minute (A)	360 75
Short-Circuit Current & Internal Resistance Internal resistance - according to EN IEC 60896-21	44.39
(mΩ) Short-Circuit current - according to EN IEC 60896-21 (A)	320
Impedance Measured at 1 kHz (mΩ)	16
Design Life & Approvals EUROBAT Classification: Standard Commercial Yuasa design life at 20°C (yrs)	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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