Yuasa Technical Data Sheet - Yuvolt Range

Yuasa Y12-12L(FR) Industrial VRLA Battery

Specifications	
Nominal voltage (V)	12
10-hr rate Capacity to 1.75V/Cell at 25°C (Ah)	11.2
20-hr rate Capacity to 1.75V/Cell at 25°C (Ah)	12
Dimensions	
Length (mm)	151 (±1)
Width (mm)	98 (±1)
Height over terminals (mm)	97.5 (±2)
Mass (kg)	3.7
Terminal Type	
FASTON - Quickfit / release (JST where stated)	6.35
Operating Temperature Range	
Storage (in fully charged condition)	-15°C to +50°C
Charge	-20°C to +40°C
Discharge	-15°C to +50°C
Storage	
Capacity loss per month at 20°C (% approx.)	3
Case Material	
Standard	ABS (UL94:HB)
FR version available	UL94:V0
Charge Voltage	
Float charge voltage at 25°C (V)/Block	13.65 (±1%)
Float charge voltage at 25°C (V)/Cell	2.275 (±1%)
Float Chg voltage tmp correction factor from std 25°C (mV)	-20
Cyclic (or Boost) charge Voltage at 25°C (V)/Block	14.5 (±3%)
Cyclic (or Boost) charge Voltage at 25°C (V)/Cell	2.42 (±3%)
Cyclic Chg voltage tmp correction factor from std 25°C (mV)	-30
Charge Current	
Float charge current limit (A)	No limit
Cyclic (or Boost) charge current limit (A)	3.6
Maximum Discharge Current	
5 second (A)	180
Internal resistance	
At 25°C (mΩ)	19
Design Life & Approvals	
EUROBAT Classification: Standard Commercial	3 to 5 years

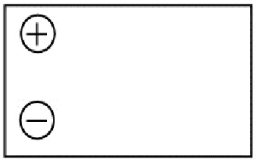
Indications of use

Assemblies of more than 4 batteries in series are not covered by the warranty



Non-contractual photo

Layout



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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