Yuasa Technical Data Sheet

Yuasa NP7-12L 12V 7Ah - Yuasa NP series standby & cyclic AGM VRLA battery

Specifications

Nominal Voltage (V)	12 V
10m rate Constant Power (Typ) to 9.6V at 20°C (/Block)	150.9
10m rate Constant Power (Typ) to 1.6V/cell at 20°C (/Cell)	25.15
20-hr rate Capacity to 1.75V /Cell at 20°C (Ah)	7
10-hr rate Capacity to 1.8V /Cell at 20°C (Ah)	6.4

Dimensions

Length (mm)	151 (±1)
Width (mm)	65 (±1)
Height (mm)	97.5
Weight (kg)	2.2

Terminal Type

Terminal Type	Faston - 6.35mm

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

Case Material	ABS (UL94:HB)
Standard or FR Case	Standard

Charge Voltage

Float charge voltage at 20°C /Block (±1%)	13.65
Float charge voltage at 20°C /Cell (±1%)	2.275
Float Chg voltage tmp correction factor from std 20°C (mV)	-3
Cyclic (or Boost) charge Voltage at 20°C (V) /Block (±3%)	14.5
Cyclic (or Boost) charge Voltage at 20°C (V) /Cell (±3%)	2.42
Cyclic Chg voltage tmp correction factor from std 20°C (mV)	-4

Charge Current

Float charge current limit (A)	1.75
Cyclic (or Boost) charge current limit (A)	1.75

Maximum Discharge Current

Maximum discharge current 1s (A)	210
Maximum discharge current 1m (A)	70

Short-Circuit Current & Internal Resistance

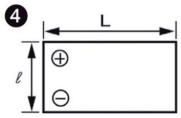
Short-Circuit current - according to EN IEC 60896-21 (A)	500
Internal resistance (mΩ)	25.0000

Design Life & Approvals

EUROBAT Classification	Standard commercial: 3 to 5 years
Eurobat Life	3 to 5 years
Yuasa design life at 20°C (yrs)	Up to 5 years
VdS (Germany)	VdS_No:_G_189099



Layout



Certifications

ISO9001 Quality Management Systems
ISO14001 Quality Management Systems
UNDERWRITERS LABORATORIES Inc.

Cert. No.: FM 10626

Cert. No.: EMS 55229

Safety

Installation

Can be installed and operated in orientations up to 90° from the upright position.

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.