

ORC-B7

ITEM NO: 12530

NP-Series - Valve Regulated Lead Acid Battery, NP7-12L



SPECIFICATION

Nominal voltage	12V	20-hr rate Capacity to 1.75VPC at 20°C	7Ah
10-hr rate Capacity to 1.75VPC at 20°C	6.4Ah	Length	151 (±1) mm
Width	65 (±1) mm	Height over terminal)	97.5 (±2) mm
Mass (typical)	2.65 kg		

TERMINAL TYPE

FASTON (Quick fit/ release)	6.35 mm
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OPERATING TEMPERATURE RANGE

Storage	-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%
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CASE MATERIAL

Standard Option	ABS (UL94:HB)	Flame retardant option (FR)	ABS (UL94:V0)
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CHARGE VOLTAGE

Float charge voltage at 20°C	13.65 (±1%) V 2.275 (±1%) V/Cell	Float Charge voltage temperature correction factor (for variations from the standard 20°C)	-3 mV/cell/°C
Cyclic (or Boost) charge at 20°C	14.5 (±3%) V 2.42 (±3%) V/Cell	Cyclic Charge voltage temperature correction factor (for variations from the standard 20°C)	-4 mV/cell/°C

CHARGE CURRENT

Float charge current limit	No Limit	Cyclic (or Boost) charge current limit	1.75A
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MAXIMUM DISCHARGE CURRENT

1 Second	210 A	1 Minute	70 A
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SHORT-CIRCUIT CURRENT & INTERNAL RESISTANCE

(According to EN IEC 60896-21)

Internal resistance	N/A	Short-Circuit current	N/A
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IMPEDANCE

Measured at 1 kHz	23 mΩ
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PERFORMANCE & CHARACTERISTICS

Refer to the technical manual	NP
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DESIGN LIFE

EUROBAT Classification: Stand- ard Commercial	3 to 5 years	Yuasa design life @ 20°C	up to 5 years
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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 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