NPL-Series - Valve Regulated Lead Acid Battery
NPL65-12I (FR)

SPECIFICATIONS

Nominal voltage 12 V
20-hr rate Capacity to 10.5V at 20°C 65 Ah
10-hr rate Capacity to 10.8V at 20°C 57.2 Ah

DIMENSIONS

Length 350 (±0.7) mm
Width 166 (±0.5) mm
Height 174 (±0.5) mm
(Top height over terminals) N/A mm
Mass (typical) 23.0 kg

TERMINAL TYPE
Female threaded terminal M6 mm
Torque 4.8 Nm

OPERATING TEMPERATURE RANGE

Storage (in fully charged condition) -20°C to +50°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 Option ABS (UL.94:HB)
Flame retardant option (FR) ABS (UL94:V0)

CHARGE VOLTAGE

Float charge voltage at 20°C 13.65 (+1%) V
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
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 A
Cyclic (or Boost) charge current limit 16.25 A

MAXIMUM DISCHARGE CURRENT
1 second 800 A
1 minute 500 A

SHORT-CIRCUIT CURRENT & INTERNAL RESISTANCE
(according to EN IEC 60896-21)
Internal resistance 1375 mΩ
Short-Circuit current 10.51 A

IMPEDANCE

Measured at 1 kHz 5 mΩ

PERFORMANCE & CHARACTERISTICS

Refer to the technical manual NPL

DESIGN LIFE

EUROBAT Classification: High performance 10 to 12 years
Yuasa design life @ 20°C up to 10 years

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

This battery type must never be installed permanently suspended by their handles

3RD PARTY CERTIFICATIONS

ISO 9001 - Quality Management Systems
ISO 14001 - Environmental Management Systems
EN 18001 - OHSAS Management Systems
UNDERWRITERS LABORATORIES Inc.

STANDARDS
IEC61056
IEC60896-21/22

ALL DATA IS SUBJECT TO CHANGE WITHOUT NOTICE
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