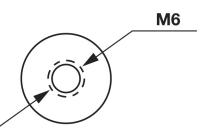


NP38-12R NP38-12RFR

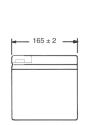
Sealed Rechargeable Lead-Acid Battery **12V, 40Ah**

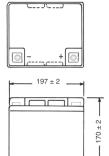
Terminal



M6 Threaded Receptacle

Dimensions





NP38-12RFR 12V, 40Ah

génesis

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Dimensions: mm

Specifications

Nominal Voltage: 12V

Nominal Capacity at 25°C: 20 hr. rate of 1.90A to 10.5V 38.0Ah 10 hr. rate of 3.5A to 10.5V 35.0Ah 5 hr. rate of 6.60A to 10.2V 33.0Ah 1 hr. rate of 27.0A to 9.60V 27.0Ah

Weight (approx.): 13.53 kgs

Energy Density (20 hr. rate): 83 WH/litre

Specific Energy (20 hr. rate): 34 WH/kg

Internal resistance of charged battery: 8 milliohms (approx.)

Maximum discharge current with standard terminals: 150 amperes

Maximum short-duration discharge current: 500 amperes

Operating Temperature Range:Charge-15°C to 50°CDischarge-20°C to 60°C

Charge Retention (shelf life) at 20°C: 12V 1 month 97% 3 month 91% 6 Months 85%

Sealed construction Can be operated in any position without leakage

Standard Terminal: M6 Threaded Receptacle

Housing material: ABS Resin

Optional:

Container and cover made from Flame Retardant ABS (UL94-VO/L.O.I.>28%) - FR type only

Standards:

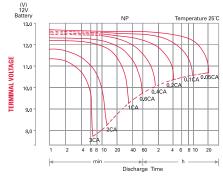
The management systems governing the manufacture of this product are ISO 9001:2008 and ISO 14001:2004 certified

VdS Approved Valve-Regulated Lead-Acid battery



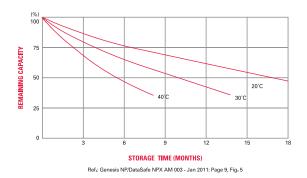
Visit us at www.enersys.com

Discharge characteristic curves at 25°C

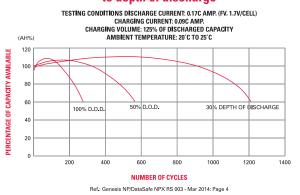


Ref.: Genesis[®] NP/DataSafe[®] NPX RS 003 - Mar 2014: Page 4

Self discharge characteristics



Cycle service life in relation to depth of discharge



Do not operate at 3C or more current continuously.

CHARGING METHODS (at 20°C)

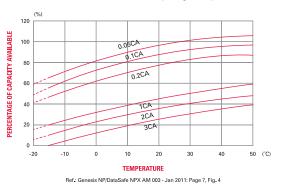
Cycle use: Maximum charging current 9.5A **Charging voltage:** 14.4 to 15.0V

Standby use: Float charging voltage 13.50 to 13.80V

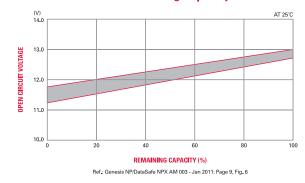
CAUTION

- Avoid short circuit
- Do not charge in sealed container

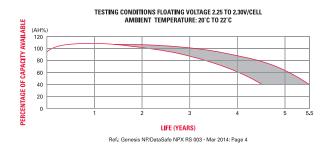
Temperature effects in relation to battery capacity



Open circuit voltage vs remaining capacity



Float service life



Contact:





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