



NP1.2-12 NP1.2-12FR

Sealed Rechargeable
Lead-Acid Battery
12V, 1.2Ah



Specifications

Nominal Voltage: 12V

Nominal Capacity at 25°C:

20 hr. rate of 0.06A to 10.5V 1.2Ah

10 hr. rate of 0.11A to 10.5V 1.1Ah

5 hr. rate of 0.2A to 10.2V 1.0Ah

1 hr. rate of 0.83A to 9.60V 0.83Ah

Weight (approx.):

0.57 kgs

Energy Density (20 hr. rate):

62.0 WH/litre

Specific Energy (20 hr. rate):

25 WH/kg

Internal resistance

of charged battery:

120 milliohms (approx.)

Maximum discharge current
with standard terminals:

45 amperes

Maximum short-duration

discharge current: 210 amperes

Operating Temperature Range:

Charge -15°C to 50°C

Discharge -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:

Quick Disconnect .187

Housing material:

ABS Resin

Optional:

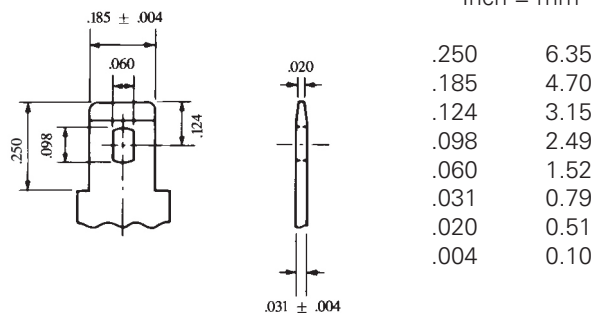
Container and cover made
from Flame Retardant ABS
(UL94-V0/L.O.I.>28%) - FR type only

Standards:

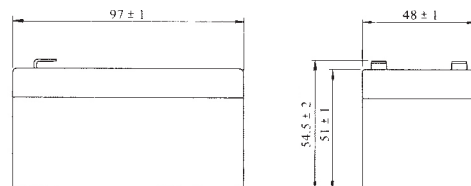
The management systems
governing the manufacture
of this product are ISO 9001:2008
and ISO 14001:2004 certified

VdS Approved Valve-Regulated
Lead-Acid battery

Terminal

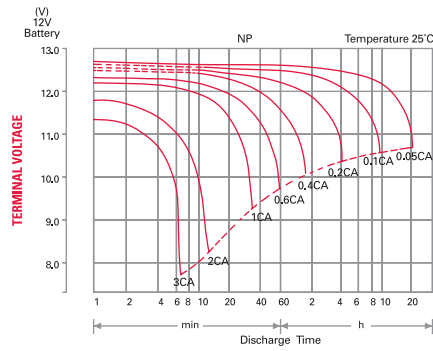


Dimensions



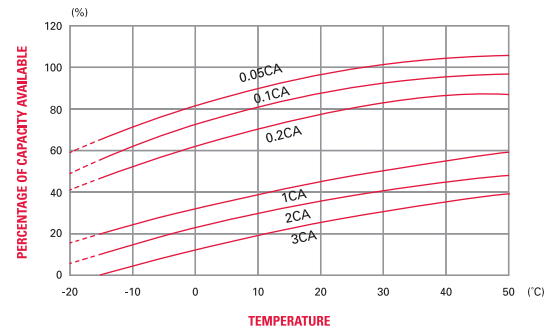
Dimensions: mm

Discharge characteristic curves at 25°C



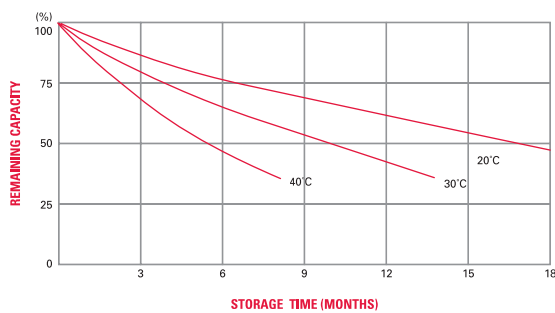
Ref.: Genesis® NP/DataSafe® NPX RS 003 - Mar 2014; Page 4

Temperature effects in relation to battery capacity



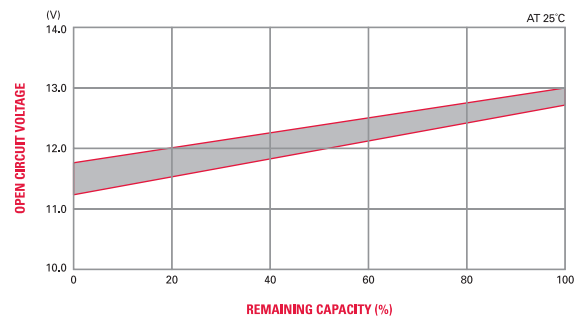
Ref.: Genesis NP/DataSafe NPX AM 003 - Jan 2011; Page 7, Fig. 4

Self discharge characteristics



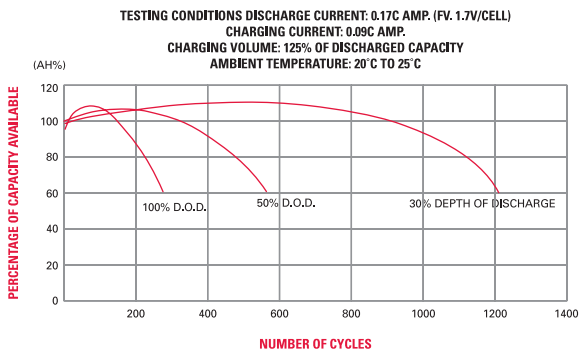
Ref.: Genesis NP/DataSafe NPX AM 003 - Jan 2011; Page 9, Fig. 5

Open circuit voltage vs remaining capacity



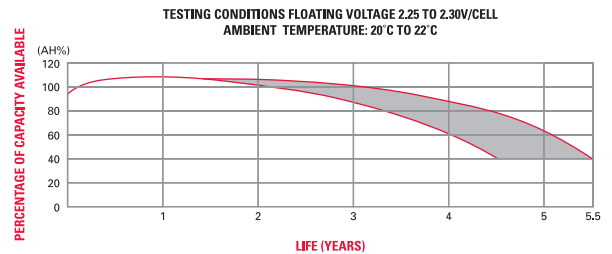
Ref.: Genesis NP/DataSafe NPX AM 003 - Jan 2011; Page 9, Fig. 6

Cycle service life in relation to depth of discharge



Ref.: Genesis NP/DataSafe NPX RS 003 - Mar 2014; Page 4

Float service life



Ref.: Genesis NP/DataSafe NPX RS 003 - Mar 2014; Page 4

Do not operate at 3C or more current continuously.

CHARGING METHODS (at 20°C)

Cycle use: Maximum charging current 0.30A

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



EnerSys World Headquarters
2366 Bernville Road, Reading,
PA 19605, USA
Tel: +1-610-208-1991 /
+1-800-538-3627

EnerSys EMEA
Baarerstrasse 18,
6300 Zug
Switzerland

EnerSys Asia
152 Beach Road,
Gateway East Building #11-03,
Singapore 189721
Tel: +65 6508 1780



Contact: