



NP7-12 NP7-12FR

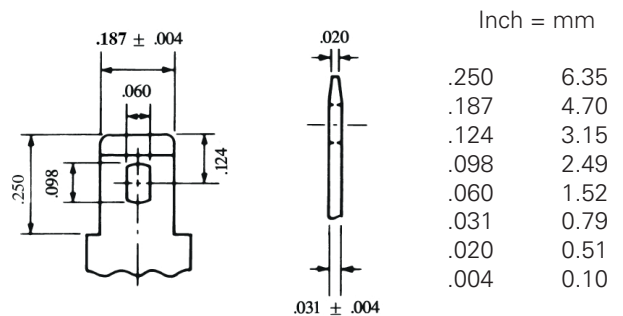
Sealed Rechargeable
Lead-Acid Battery
12V, 7.0Ah



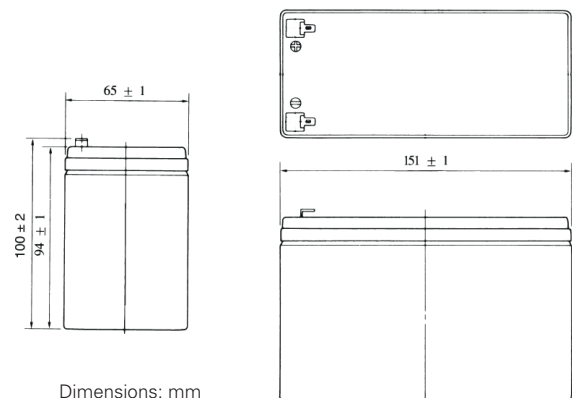
Specifications

Nominal Voltage: 12V	Charge Retention (shelf life) at 20°C: 12V
Nominal Capacity at 25°C: 20 hr. rate of 0.35A to 10.5V 7.0Ah 10 hr. rate of 0.62A to 10.5V 6.2Ah 5 hr. rate of 1.15A to 10.2V 5.75Ah 1 hr. rate of 4.88A to 9.60V 4.88Ah	1 month 97% 3 month 91% 6 Months 85%
Weight (approx.): 2.59 kgs	Sealed construction Can be operated in any position without leakage
Energy Density (20 hr. rate): 91.0 WH/litre	Standard Terminal: Quick Disconnect .187 or Optional .250
Specific Energy (20 hr. rate): 30 WH/kg	Housing material: ABS Resin
Internal resistance of charged battery: 30 milliohms (approx.)	Optional: Container and cover made from Flame Retardant ABS (UL94-V0/L.O.I.>28%) - FR type only
Maximum discharge current with standard terminals: 40 amperes	Standards: The management systems governing the manufacture of this product are ISO 9001:2008 and ISO 14001:2004 certified
Maximum short-duration discharge current: 210 amperes	
Operating Temperature Range: Charge -15°C to 50°C Discharge -20°C to 60°C	VdS Approved Valve-Regulated Lead-Acid battery

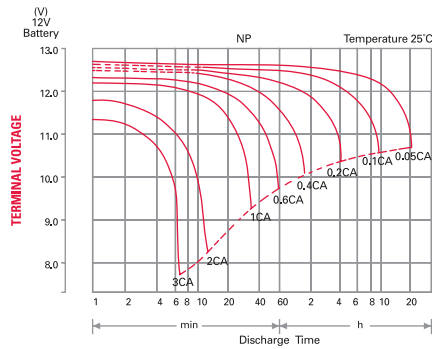
Terminal



Dimensions

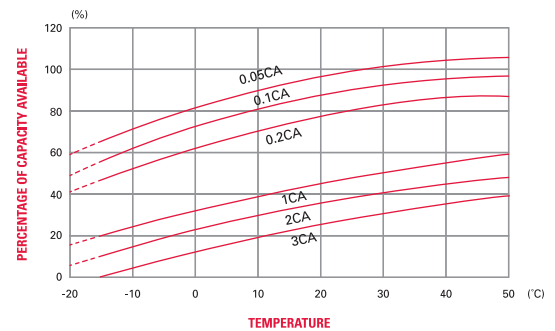


Discharge characteristic curves at 25°C



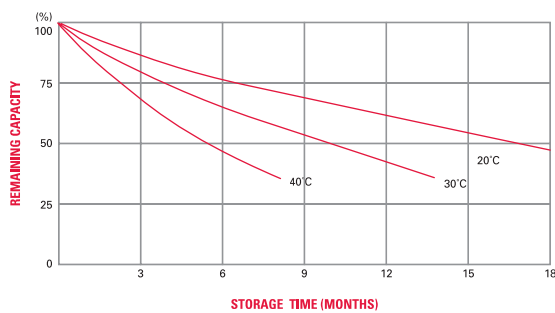
Ref.: Genesis NP/DataSafe® NPX RS 003 - Mar 2014; Page 4

Temperature effects in relation to battery capacity



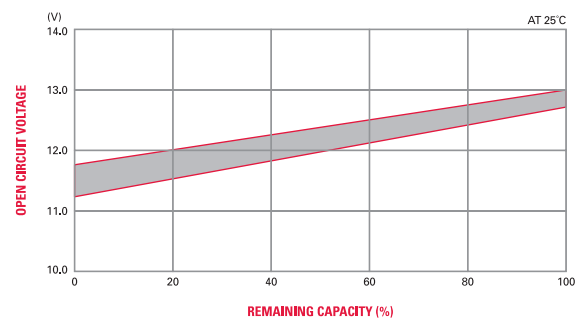
Ref.: Genesis NP/DataSafe NPX AM 003 - Jan 2011; Page 7, Fig. 4

Self discharge characteristics



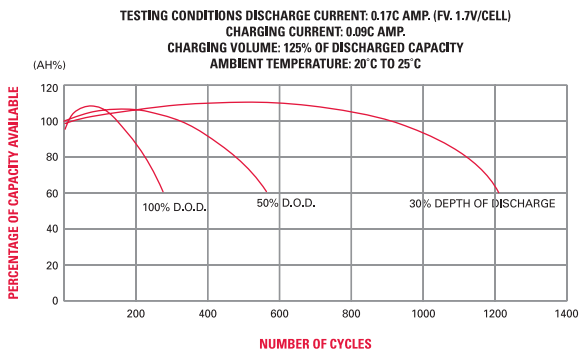
Ref.: Genesis NP/DataSafe NPX AM 003 - Jan 2011; Page 9, Fig. 5

Open circuit voltage vs remaining capacity



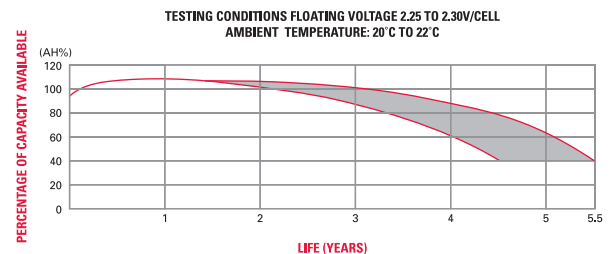
Ref.: Genesis NP/DataSafe NPX AM 003 - Jan 2011; Page 9, Fig. 6

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 1.75A

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



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