



NP2.3-12 NP2.3-12FR

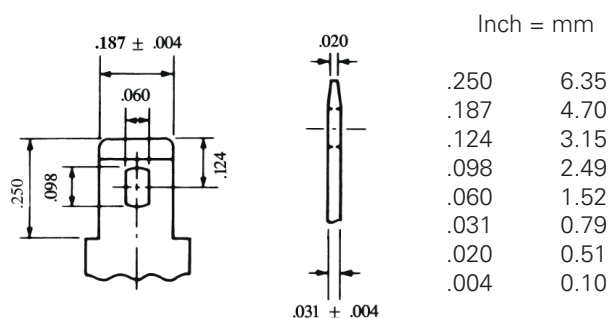
Sealed Rechargeable
Lead-Acid Battery
12V, 2.3Ah



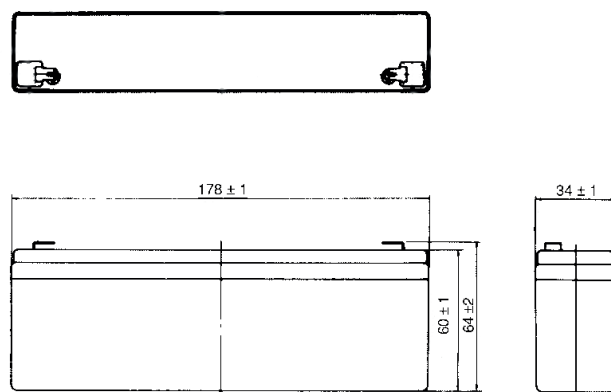
Specifications

Nominal Voltage: 12V	Charge Retention (shelf life) at 20°C: 12V
Nominal Capacity at 25°C:	1 month 97%
20 hr. rate of 0.115A to 10.5V 2.3Ah	3 month 91%
10 hr. rate of 0.18A to 10.5V 1.8Ah	6 Months 85%
5 hr. rate of 0.35A to 10.2V 1.75Ah	
1 hr. rate of 1.53A to 9.60V 1.53Ah	
Weight (approx.): 0.98 kgs	Sealed construction Can be operated in any position without leakage
Energy Density (20 hr. rate): 76.1 WH/litre	Standard Terminal: Quick Disconnect .187
Specific Energy (20 hr. rate): 28.2 WH/kg	Housing material: ABS Resin
Internal resistance of charged battery: 60 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: 75 amperes	VdS Approved Valve-Regulated Lead-Acid battery
Operating Temperature Range:	
Charge -15°C to 50°C	
Discharge -20°C to 60°C	

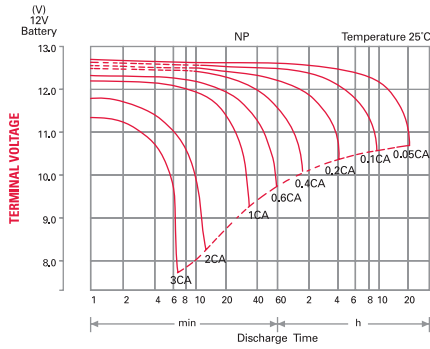
Terminal



Dimensions

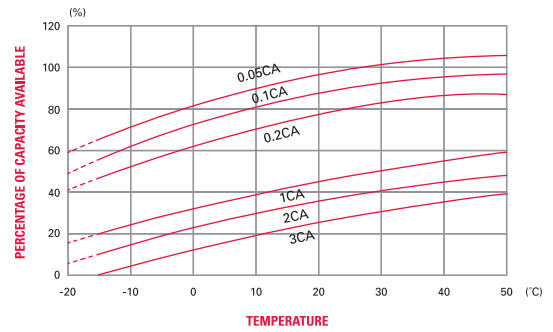


Discharge characteristic curves at 25°C



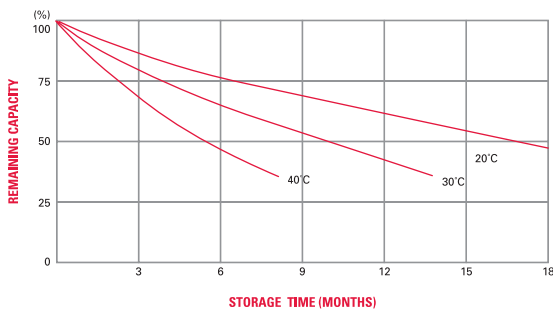
Ref.: Genesis® NP/DataSafe® NPX RS 003 - Mar 2014; Page 4

Temperature effects in relation to battery capacity



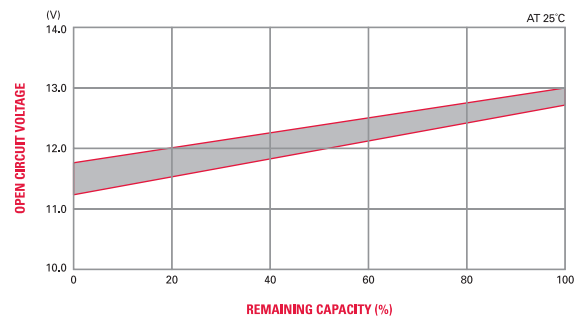
Ref.: Genesis NP/DataSafe NPX AM 003 - Jan 2011; Page 7, Fig. 4

Self discharge characteristics



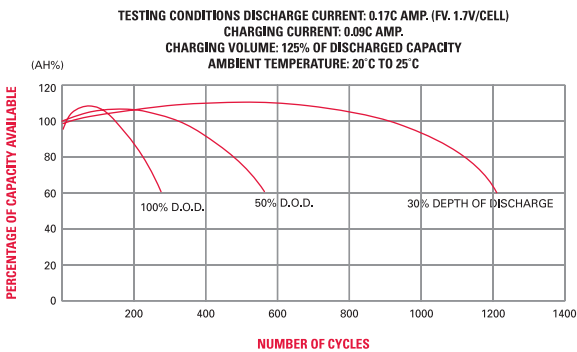
Ref.: Genesis NP/DataSafe NPX AM 003 - Jan 2011; Page 9, Fig. 5

Open circuit voltage vs remaining capacity



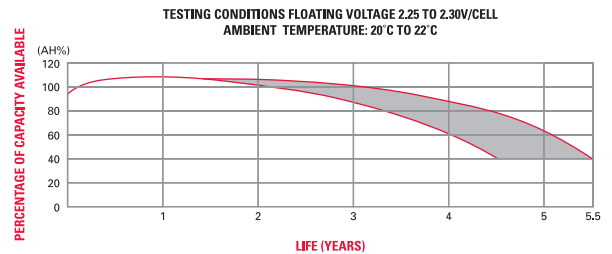
Ref.: Genesis NP/DataSafe NPX AM 003 - Jan 2011; Page 9, Fig. 6

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 0.58A

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



MH16464

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