

Extreme reliability in harsh conditions. The railway and industrial standard.

The RNC1.2-120 is a 1.2 V, 120 Ah (5-hour rate) NiCd battery from the Rekoser Nickel-Cadmium series. It measures 165 × 105 × 300 mm and weighs 8.5 kg. It stores 144 Wh. Extreme reliability in harsh conditions. The railway and industrial standard. Typical applications: Electrical Substations, Telecommunications and Base Stations and Railway Signaling and Infrastructure.

Formerly **RKF1.2-120**.

Nominal Voltage	1.2 V
Capacity (25°C)	120 Ah (C5)
Energy	144 Wh
Weight	8.5 kg
Dimensions	165 × 105 × 300 mm

MAIN ADVANTAGES

- ✓ **Fibre structure:** Fibre nickel-cadmium electrodes
- ✓ **High currents:** Very high charge and discharge rates
- ✓ **No topping up:** No electrolyte replacement needed
- ✓ **Harsh conditions:** Withstands temperature and vibration

20
YEARS

LONG LIFE DESIGN

2
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



ELECTRICAL SUBSTATIONS



TELECOMMUNICATIONS
AND BASE STATIONS



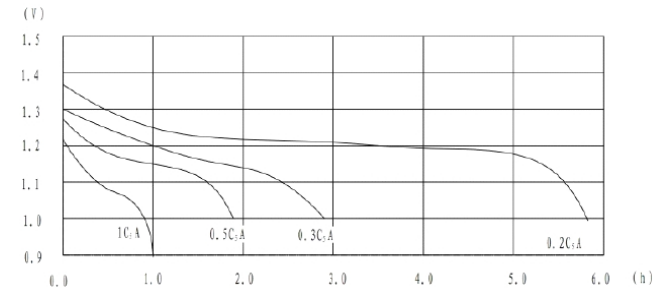
RAILWAY SIGNALING AND
INFRASTRUCTURE

GRAPHICS (25°C)

Constant Discharge Ratings (A) at 25°C

F.V / Time	1SEC	5SEC	1MIN	1.5MIN	5MIN	1HR
1.14 V	714A	667A	443A	378A	332A	109A
1.10 V	776A	738A	573A	465A	352A	85A
1.0 V	1025A	978A	842A	635A	518A	116A

DISCHARGE CHARACTERISTIC 25°C



SPECIFICATIONS

Nominal Voltage	1.2 V
Capacity (25°C)	120 Ah (C5)
Energy	144 Wh
Charge Voltage (25°C)	Cycle use: 1.0-1.2V Float use: 1.38V +-0.01V
Internal Resistance	0.36 mΩ
Capacity Affected by Temperature	40 °C: 102 %, 25 °C: 100 %, 0 °C: 85 %, -15 °C: 65 %

CONSTRUCTION

Component	Material
Container	ABS/PP
Cover	ABS/PP
Electrolyte	Potassium Hydroxide
Negative	Cadmium
Positive	Nickel oxide-hydroxide
Safety Valve	Rubber
Terminal	Nickel-Clad Steel

QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RNC1.2-120** battery, follow these assembly and connection guidelines.

1. SPACE AND DIMENSION VERIFICATION

Before proceeding, ensure the receptacle or cabinet of your equipment complies with the unit's physical measurements:

Length: 165 mm

Width: 105 mm

Height: 300 mm

Total Height: 345 mm

Weight: 8.5 kg

2. TERMINALS AND POLARITY

Polarity: Check the positive and negative markings on the battery before connecting, to prevent short circuits.

3. CHARGE PARAMETERS

Cycle use: 1.0-1.2V

Float use: 1.38V $\pm$ 0.01V

4. SAFETY AND STORAGE

Maintenance: Fibre structure: no electrolyte replacement needed.

Position: Always upright.

Electrolyte: It is alkaline: do not use tools or utensils used with lead batteries.

Storage: Store in a cool and dry place.

NEARBY MODELS

[See all RNC series models](#)

Specialized Technical Support
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