RNC12-700

SERIES RNC · NICKEL-CADMIUM

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

The RNC12-700 is a 12 V, 715 Ah (5-hour rate) NiCd battery from the Rekoser Nickel-Cadmium series. It measures 202 × 209 × 405 mm and weighs 25.2 kg. It stores 8.58 kWh. Extreme reliability in harsh conditions. The railway and industrial standard. Typical applications: Electrical Substations, Telecommunications and Base Stations and Railway Signaling and Infrastructure.

Formerly **RKF12-700**.

Nominal Voltage	12 V
Capacity (25ºC)	715 Ah (C5)
Energy	8580 Wh
Weight	25.2 kg
Dimensions	202 × 209 × 405 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

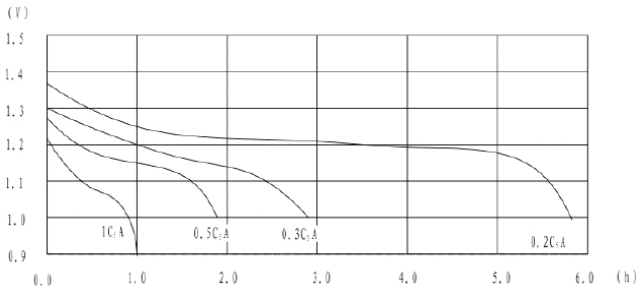
- ELECTRICAL SUBSTATIONS
- TELECOMMUNICATIONS AND BASE STATIONS
- RAILWAY SIGNALING AND INFRASTRUCTURE

GRAPHICS (25°C)

Constant Discharge Ratings (A) at 25ºC

F.V / Time	1SEC	5SEC	1MIN	5MIN	30MIN	1HR	3HR	5HR	10HR
1.14 V	1216A	1095A	922A	696A	415A	377A	213A	140A	71.3A
1.10 V	1565A	1367A	1086A	842A	507A	459A	228A	142A	72.9A
1.05 V	1829A	1578A	1289A	1029A	615A	544A	235A	143A	73.8A
1.00 V	2263A	1907A	1505A	1212A	704A	596A	236A	143A	74A

DISCHARGE CHARACTERISTIC 25ºC



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25ºC)	715 Ah (C5)
Energy	8580 Wh
Cell number	10
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 RNC12-700** 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: 202 mm

Width: 209 mm

Height: 405 mm

Total Height: 405 mm

Weight: 25.2 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 +-0.01V

4. SAFETY AND STORAGE

Maintenance: Fibre structure: no electrolyte replacement needed.

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

Position: Always upright.

Storage: Store in a cool and dry place.

NEARBY MODELS

RNC12-400 (12 V · 407 Ah) · See all RNC series models

Specialized Technical Support

https://rekoser.com | +34 958 04 29 73