

## Versatility and reliability for volume applications.

The RGP12-1.3 is a 12 V, 1.3 Ah (20-hour rate) AGM lead-acid battery from the Rekoser General Purpose (AGM) series. It measures 97 × 43 × 52 mm and weighs 0.55 kg, with F1 terminals. It stores 16 Wh and delivers up to 20 A. Versatility and reliability for volume applications. Typical applications: UPS and Data Centers, Security and Alarm Systems and Emergency Lighting.

Formerly **RKE12-1.3**.



|                 |                 |
|-----------------|-----------------|
| Nominal Voltage | 12 V            |
| Capacity (25°C) | 1.3 Ah (C20)    |
| Energy          | 16 Wh           |
| Weight          | 0.55 kg         |
| Terminal        | F1              |
| Dimensions      | 97 × 43 × 52 mm |

## MAIN ADVANTAGES

- ✓ **AGM Technology:** Fully sealed, maintenance-free, and leak-proof.
- ✓ **High Energy Density:** Optimized for critical and rapid discharges.
- ✓ **Low Self-Discharge:** Pb-Ca alloy allows for long storage periods.
- ✓ **Advanced Safety:** Safety valves and reinforced ABS container.

**9**  
YEARS

**LONG LIFE DESIGN**

\* EUROBAT CLASSIFICATION: 6-9 Years (General Purpose).

**2**  
YEARS

**WARRANTY**

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

## MAIN APPLICATIONS



UPS AND DATA CENTERS



SECURITY AND ALARM  
SYSTEMS



EMERGENCY LIGHTING

## QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

GB/T19639

IEC 61056

JIS C8702

## GRAPHICS (25°C)

Constant Discharge Ratings (A) at 25°C

| F.V / Time | 5MIN  | 10MIN | 15MIN | 30MIN | 1HR   | 3HR    | 5HR    | 10HR   | 20HR   |
|------------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 11.10 V    | 3A    | 2.35A | 1.99A | 1.22A | 0.73A | 0.316A | 0.203A | 0.112A | 0.057A |
| 10.80 V    | 3.39A | 2.49A | 2.04A | 1.25A | 0.74A | 0.319A | 0.205A | 0.113A | 0.059A |
| 10.50 V    | 3.78A | 2.63A | 2.09A | 1.27A | 0.75A | 0.324A | 0.208A | 0.115A | 0.06A  |
| 10.20 V    | 4.15A | 2.76A | 2.14A | 1.3A  | 0.77A | 0.328A | 0.21A  | 0.116A | 0.061A |
| 10.02 V    | 4.47A | 2.88A | 2.2A  | 1.32A | 0.78A | 0.331A | 0.213A | 0.117A | 0.063A |
| 9.60 V     | 4.81A | 2.98A | 2.28A | 1.35A | 0.79A | 0.334A | 0.216A | 0.119A | 0.064A |

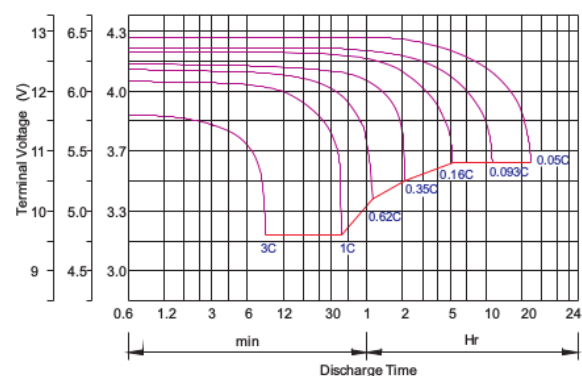
Constant Discharge Ratings (W) at 25°C

| F.V / Time | 5MIN  | 10MIN | 15MIN | 30MIN | 1HR   | 3HR    | 5HR    | 10HR   | 20HR   |
|------------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 11.10 V    | 5.64W | 4.46W | 3.8W  | 2.35W | 1.41W | 0.62W  | 0.402W | 0.224W | 0.115W |
| 10.80 V    | 6.27W | 4.67W | 3.86W | 2.38W | 1.42W | 0.622W | 0.403W | 0.225W | 0.117W |
| 10.50 V    | 6.91W | 4.89W | 3.91W | 2.4W  | 1.44W | 0.626W | 0.404W | 0.226W | 0.119W |
| 10.20 V    | 7.48W | 5.06W | 3.97W | 2.43W | 1.45W | 0.627W | 0.407W | 0.227W | 0.121W |
| 10.02 V    | 7.97W | 5.23W | 4.04W | 2.46W | 1.46W | 0.628W | 0.409W | 0.228W | 0.122W |
| 9.60 V     | 8.47W | 5.36W | 4.15W | 2.5W  | 1.47W | 0.631W | 0.411W | 0.23W  | 0.123W |

CHARGE CHARACTERISTICS



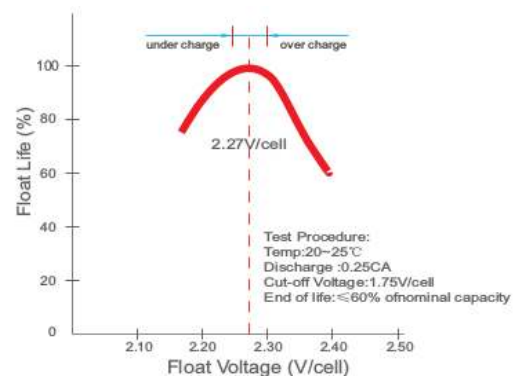
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



## SPECIFICATIONS

|                                  |                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------|
| Nominal Voltage                  | 12 V                                                                                  |
| Capacity (25°C)                  | 1.3 Ah (C20)                                                                          |
| Energy                           | 16 Wh                                                                                 |
| Cell number                      | 6                                                                                     |
| Charge Voltage (25°C)            | Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A<br>Float use: 13.6-13.8V (-20mV/C) |
| Max. Charge Current              | 0.36 A                                                                                |
| Max. Discharge Current           | 20 A                                                                                  |
| Internal Resistance              | 25 mΩ                                                                                 |
| Self Discharge                   | 3 % of capacity per month at 25 °C                                                    |
| Capacity Affected by Temperature | 40 °C: 102 %, 25 °C: 100 %, 0 °C: 85 %, -15 °C: 65 %                                  |

## CONSTRUCTION

| Component    | Material                       |
|--------------|--------------------------------|
| Container    | ABS (Flame Retardant Optional) |
| Cover        | ABS (Flame Retardant Optional) |
| Electrolyte  | Sulphuric acid                 |
| Negative     | Lead                           |
| Positive     | Lead dioxide                   |
| Safety Valve | Rubber                         |
| Sealant      | Epoxy Resin                    |
| Separator    | Fibre Glass                    |
| Terminal     | Copper                         |

## QUICK INSTALLATION GUIDE

To ensure optimal performance and maximize the lifespan of your **REKOSER RGP12-1.3** 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:** 97 mm

**Width:** 43 mm

**Height:** 52 mm

**Total Height:** 58 mm

**Weight:** 0.55 kg

### 2. TERMINAL CONFIGURATION (F1)

**Terminals:** Ensure your system's connectors match the F1 type to prevent electrical arcing.

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

### 3. CHARGE PARAMETERS

Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A

Float use: 13.6-13.8V (-20mV/C)

**Maximum Current:** Do not exceed 0.36 A of charge.

### 4. SAFETY AND STORAGE

**Maintenance:** Sealed AGM technology, maintenance-free and leak-proof.

**Position:** Can be installed in any orientation, except inverted.

**Storage:** Store charged, in a cool and dry place, and recharge periodically.

### NEARBY MODELS

**RGP12-1.2** (12 V · 1.2 Ah) · **RGP12-2.3** (12 V · 2.3 Ah) · [See all RGP series models](#)

Specialized Technical Support

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