

Deep cycling with full recovery from deep discharge.

The RDG12-70 is a 12 V, 70 Ah (10-hour rate) GEL Deep Cycle lead-acid battery from the Rekoser Deep Gel series. It measures 260 × 166 × 211 mm and weighs 22 kg, with F11 terminals. It stores 840 Wh and delivers up to 675 A. Deep cycling with full recovery from deep discharge. Typical applications: Solar/Wind Energy Systems, Electrical Substations, Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKG12-70**.

Nominal Voltage	12 V
Capacity (25°C)	70 Ah (C10)
Energy	840 Wh
Weight	22 kg
Terminal	F11
Dimensions	260 × 166 × 211 mm

MAIN ADVANTAGES

- ✓ **Recovery:** Superior performance after deep discharges
- ✓ **Stable:** Low electrolyte stratification
- ✓ **Longevity:** Excellent cycle life in harsh conditions
- ✓ **Gel Tech:** Thixotropic gel electrolyte

12
YEARS

LONG LIFE DESIGN

* EUROBAT CLASSIFICATION: 10-12 Years (High Performance).

2
YEARS

WARRANTY

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

MAIN APPLICATIONS



SOLAR/WIND ENERGY SYSTEMS



ELECTRICAL SUBSTATIONS



TELECOMMUNICATIONS AND BASE STATIONS



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC61427

IEC 60896-21/22

YD/T1360

BS6290 part 4

GRAPHICS (25°C)

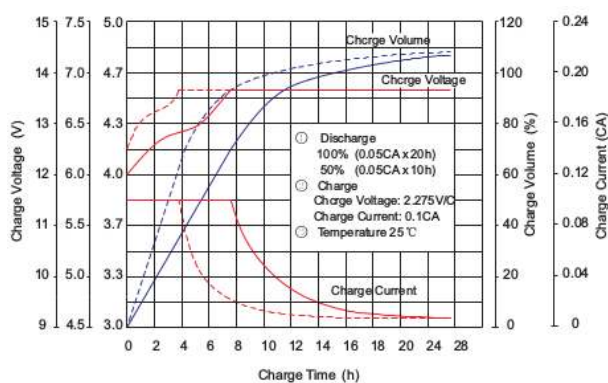
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	110A	99A	89.9A	63.1A	40.8A	18.1A	12.1A	6.82A	3.59A
10.80 V	129A	110A	98.6A	66.9A	42.6A	18.7A	12.4A	7A	3.67A
10.50 V	145A	121A	106A	70A	44.1A	19.1A	12.7A	7.14A	3.75A
10.20 V	167A	130A	114A	72.5A	45A	19.4A	12.9A	7.24A	3.82A
10.02 V	187A	143A	121A	75.3A	46.1A	19.6A	13A	7.33A	3.91A
9.60 V	210A	155A	128A	78.8A	47.3A	19.8A	13.2A	7.42A	4A

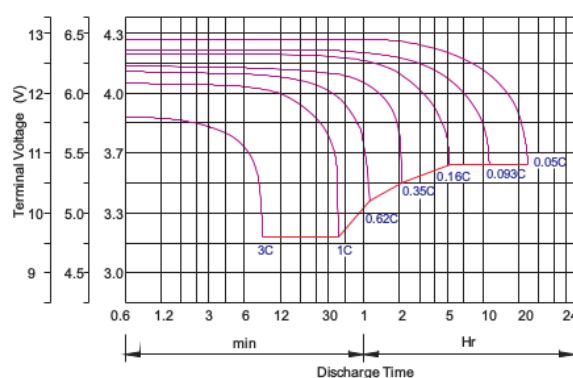
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	207W	187W	172W	122W	79.1W	35.5W	24W	13.6W	7.21W
10.80 V	238W	206W	187W	127W	81.9W	36.4W	24.4W	13.9W	7.34W
10.50 V	266W	224W	198W	132W	83.9W	36.8W	24.8W	14.1W	7.42W
10.20 V	302W	238W	211W	136W	85W	37.1W	24.9W	14.2W	7.52W
10.02 V	334W	259W	222W	140W	86.4W	37.2W	24.9W	14.2W	7.63W
9.60 V	370W	278W	233W	146W	88.2W	37.4W	25.1W	14.3W	7.76W

CHARGE CHARACTERISTICS



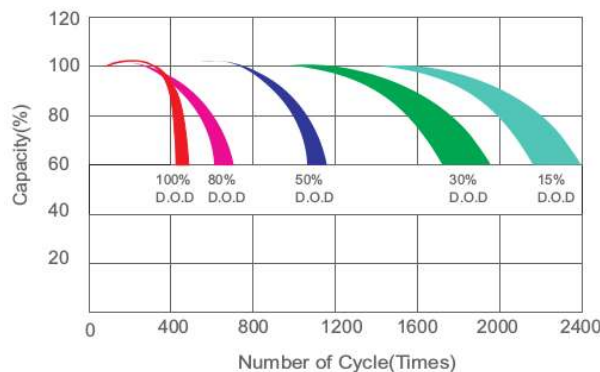
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTIC OF CYCLIC USE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	70 Ah (C10)
Energy	840 Wh
Cell number	6
Charge Voltage (25°C)	Cycle use: 14.6-14.8V (-30mV/C), max. Current 2.1A Float use: 13.6-13.8V (-20mV/C)
Max. Charge Current	17.5 A
Max. Discharge Current	675 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 20 °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 RDG12-70** 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:

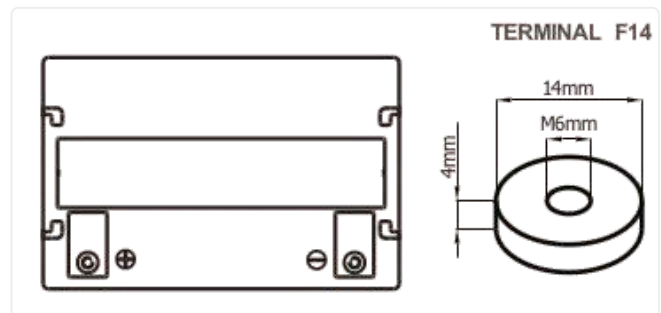
Length: 260 mm

Width: 166 mm

Height: 211 mm

Total Height: 216 mm

Weight: 22 kg



2. TERMINAL CONFIGURATION (F11)

Terminals: Ensure your system's connectors match the F11 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 17.5 A of charge.

4. SAFETY AND STORAGE

Maintenance: Sealed gel battery, maintenance-free and leak-proof.

Charging: Keep to the stated charge voltage: gel is sensitive to overcharging.

Cycling: Recharge fully after every discharge; never leave it discharged.

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

NEARBY MODELS

RDG12-60 (12 V · 60 Ah) · **RDG12-80** (12 V · 80 Ah) · [See all RDG series models](#)

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