

Deep cycling with full recovery from deep discharge.

The RDG12-26 is a 12 V, 26 Ah (10-hour rate) GEL Deep Cycle lead-acid battery from the Rekoser Deep Gel series. It measures 166 × 175 × 125 mm and weighs 8.3 kg, with F11 terminals. It stores 312 Wh and delivers up to 310 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 **RKG12-26**.

Nominal Voltage	12 V
Capacity (25°C)	26 Ah (C10)
Energy	312 Wh
Weight	8.3 kg
Terminal	F11
Dimensions	166 × 175 × 125 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)

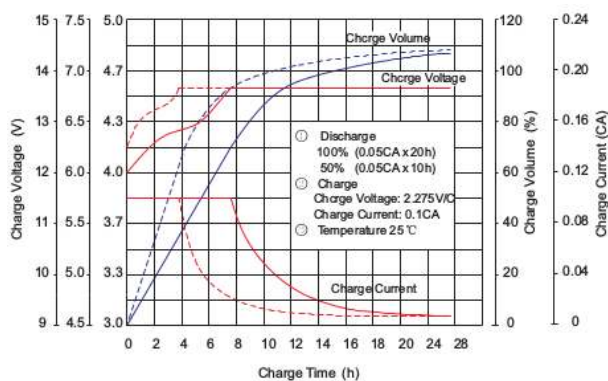
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	64.9A	50.8A	43.1A	26.5A	15.8A	6.84A	4.4A	2.43A	1.24A
10.80 V	73.4A	53.9A	44.2A	27A	16A	6.92A	4.45A	2.46A	1.27A
10.50 V	81.9A	57.1A	45.3A	27.5A	16.4A	7.03A	4.5A	2.49A	1.3A
10.20 V	89.8A	59.7A	46.4A	28.2A	16.6A	7.1A	4.56A	2.51A	1.33A
10.02 V	96.8A	62.4A	47.6A	28.7A	16.9A	7.16A	4.62A	2.54A	1.35A
9.60 V	104A	64.6A	49.3A	29.3A	17.1A	7.24A	4.67A	2.58A	1.38A

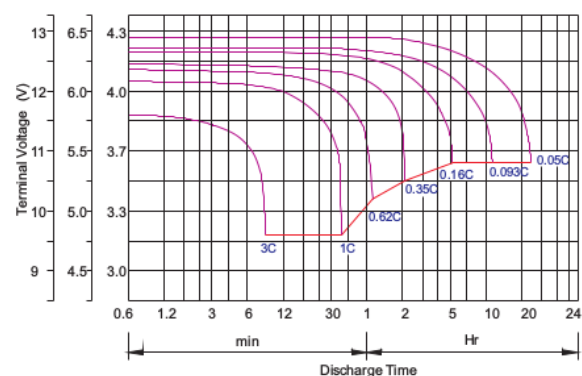
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	122W	96.6W	82.3W	51W	30.6W	13.3W	8.71W	4.85W	2.49W
10.80 V	136W	101W	83.5W	51.5W	30.8W	13.4W	8.73W	4.88W	2.54W
10.50 V	150W	106W	84.8W	52W	31.1W	13.5W	8.76W	4.9W	2.58W
10.20 V	162W	110W	86.1W	52.7W	31.4W	13.6W	8.81W	4.92W	2.62W
10.02 V	173W	113W	87.5W	53.2W	31.7W	13.7W	8.85W	4.94W	2.65W
9.60 V	183W	116W	89.9W	54.2W	31.9W	13.8W	8.9W	4.98W	2.68W

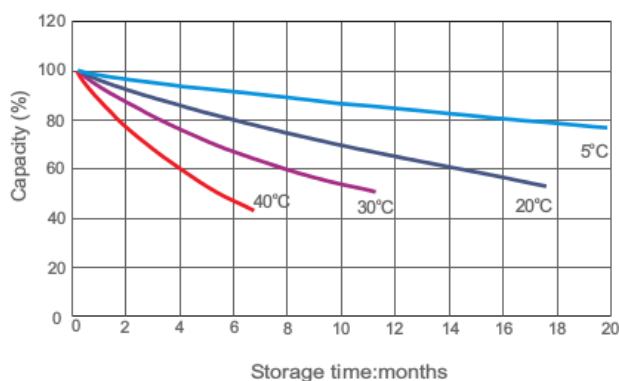
CHARGE CHARACTERISTICS



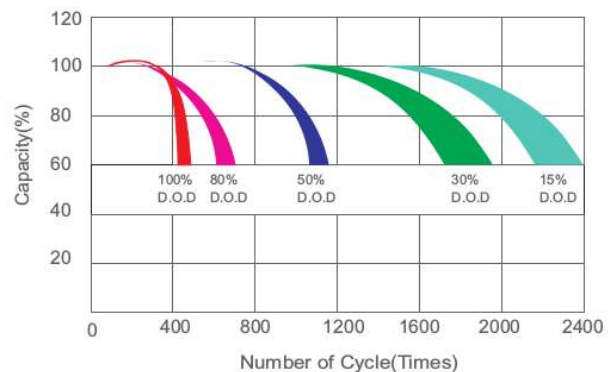
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTIC OF CYCLIC USE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	26 Ah (C10)
Energy	312 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	25 A
Max. Discharge Current	310 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 RDG12-26** 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: 166 mm

Width: 175 mm

Height: 125 mm

Total Height: 125 mm

Weight: 8.3 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 25 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

RDG12-40 (12 V · 40 Ah) · [See all RDG series models](#)

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