

Endurance for frequent charge/discharge cycling.

The RDC2-1000 is a 2 V, 1000 Ah (10-hour rate) AGM Deep Cycle lead-acid battery from the Rekoser Deep Cycle (AGM) series. It measures 475 × 175 × 330 mm and weighs 60 kg, with F10 terminals. It stores 2 kWh and delivers up to 4000 A. Endurance for frequent charge/discharge cycling. Typical applications: Solar/Wind Energy Systems and Light Electric Vehicles.

Formerly **RKC2-1000**.



MAIN ADVANTAGES

- ✓ **Cycling:** Optimized for more than 400 cycles at 80% DOD
- ✓ **Materials:** Specialized active material and thick plates
- ✓ **Versatility:** Suitable for both motive and stationary use
- ✓ **Efficiency:** High recharge acceptance

Nominal Voltage	2 V
Capacity (25°C)	1000 Ah (C10)
Energy	2000 Wh
Weight	60 kg
Terminal	F10
Dimensions	475 × 175 × 330 mm

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



LIGHT ELECTRIC VEHICLES

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

IEC 60896-21/22

JIS C8704

GB/T19639

GRAPHICS (25°C)

Constant Discharge Ratings (A) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	804A	547A	247A	173A	100A	52.5A
1.75 V	834A	565A	255A	178A	101A	52.9A
1.70 V	855A	576A	257A	179A	101A	53.2A
1.65 V	882A	591A	259A	180A	102A	53.3A
1.60 V	900A	600A	260A	182A	102A	53.4A

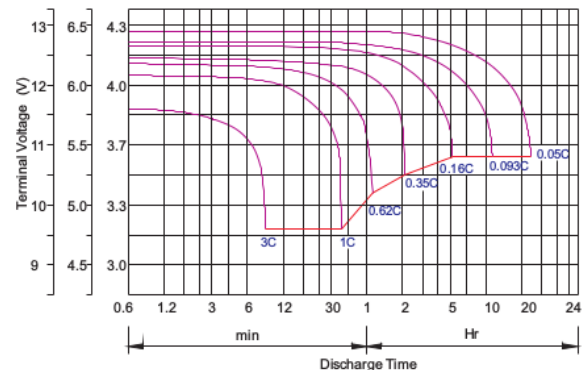
Constant Discharge Ratings (W) at 25°C

F.V / Time	30MIN	1HR	3HR	5HR	10HR	20HR
1.80 V	1503W	1040W	485W	340W	199W	105W
1.75 V	1560W	1073W	500W	351W	200W	106W
1.70 V	1599W	1094W	503W	353W	202W	106W
1.65 V	1649W	1123W	507W	356W	202W	107W
1.60 V	1683W	1140W	510W	358W	203W	107W

CHARGE CHARACTERISTICS



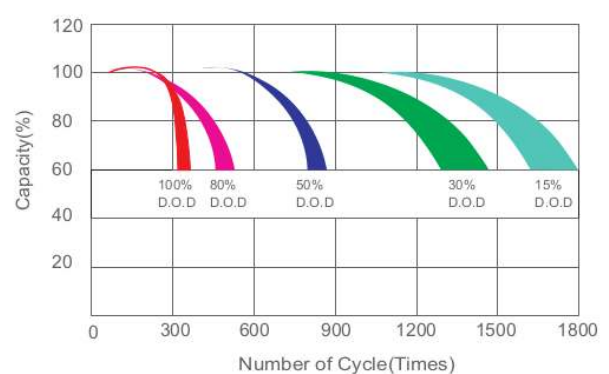
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTICS OF CYCLIC USE



SPECIFICATIONS

Nominal Voltage	2 V
Capacity (25°C)	1000 Ah (C10), 1050 Ah (C20)
Energy	2000 Wh
Charge Voltage (25°C)	Cycle use: 2.35-2.40V (-30mV/C) Float use: 2.25-2.29V (-20mV/C)
Max. Charge Current	200 A
Max. Discharge Current	4000 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 RDC2-1000** 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:

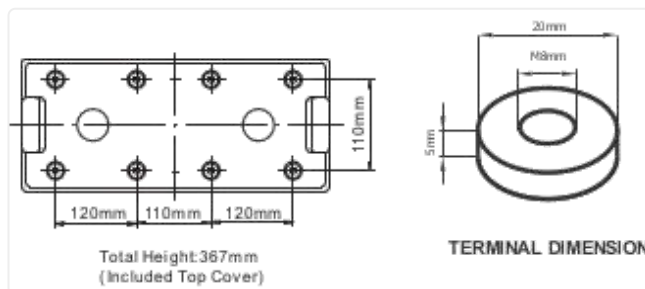
Length: 475 mm

Width: 175 mm

Height: 330 mm

Total Height: 367 mm

Weight: 60 kg



2. TERMINAL CONFIGURATION (F10)

Terminals: Ensure your system's connectors match the F10 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: 2.35-2.40V (-30mV/C)

Float use: 2.25-2.29V (-20mV/C)

Maximum Current: Do not exceed 200 A of charge.

4. SAFETY AND STORAGE

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

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

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

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

NEARBY MODELS

RDC2-800 (2 V · 800 Ah) · [See all RDC series models](#)

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