

Endurance for frequent charge/discharge cycling.

The RDC12-12 is a 12 V, 12 Ah (10-hour rate) AGM Deep Cycle lead-acid battery from the Rekoser Deep Cycle (AGM) series. It measures 151 × 98 × 95 mm and weighs 3.45 kg, with F11 terminals. It stores 144 Wh and delivers up to 180 A. Endurance for frequent charge/discharge cycling. Typical applications: Solar/Wind Energy Systems and Light Electric Vehicles.

Formerly **RKC12-12**.



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	12 V
Capacity (25°C)	12 Ah (C10)
Energy	144 Wh
Weight	3.45 kg
Terminal	F11
Dimensions	151 × 98 × 95 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)

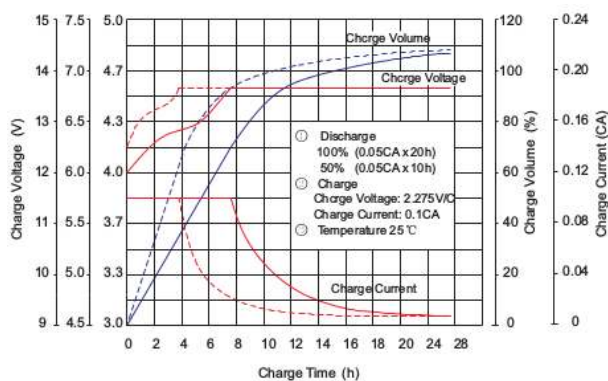
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	30A	23.5A	19.9A	12.2A	7.28A	3.16A	2.03A	1.12A	0.57A
10.80 V	33.9A	24.9A	20.4A	12.5A	7.39A	3.19A	2.05A	1.13A	0.59A
10.50 V	37.8A	26.3A	20.9A	12.7A	7.55A	3.24A	2.08A	1.15A	0.6A
10.20 V	41.5A	27.6A	21.4A	13A	7.68A	3.28A	2.1A	1.16A	0.61A
10.02 V	44.7A	28.8A	22A	13.2A	7.8A	3.31A	2.13A	1.17A	0.63A
9.60 V	48.1A	29.8A	22.8A	13.5A	7.9A	3.34A	2.16A	1.19A	0.64A

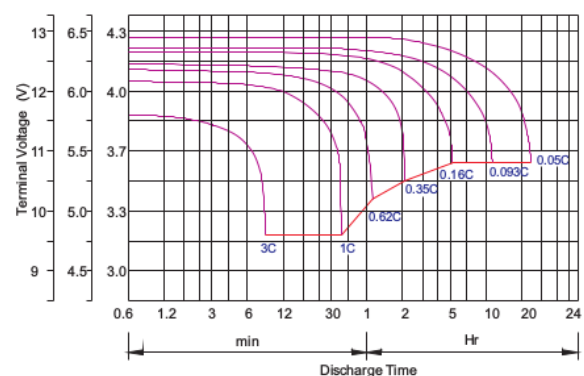
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	56.4W	44.6W	38W	23.5W	14.1W	6.2W	4.02W	2.24W	1.15W
10.80 V	62.7W	46.7W	38.6W	23.8W	14.2W	6.22W	4.03W	2.25W	1.17W
10.50 V	69.1W	48.9W	39.1W	24W	14.4W	6.26W	4.04W	2.26W	1.19W
10.20 V	74.8W	50.6W	39.7W	24.3W	14.5W	6.27W	4.07W	2.27W	1.21W
10.02 V	79.7W	52.3W	40.4W	24.6W	14.6W	6.28W	4.09W	2.28W	1.22W
9.60 V	84.7W	53.6W	41.5W	25W	14.7W	6.31W	4.11W	2.3W	1.23W

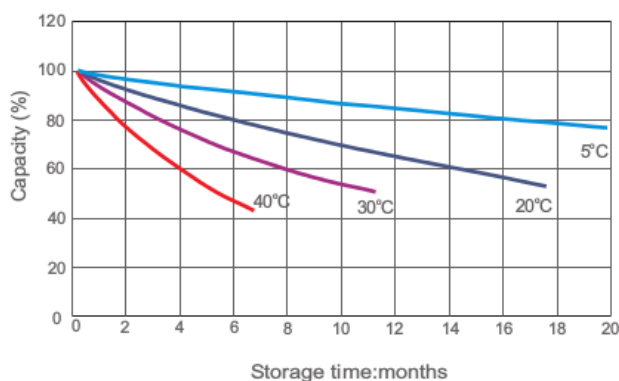
CHARGE CHARACTERISTICS



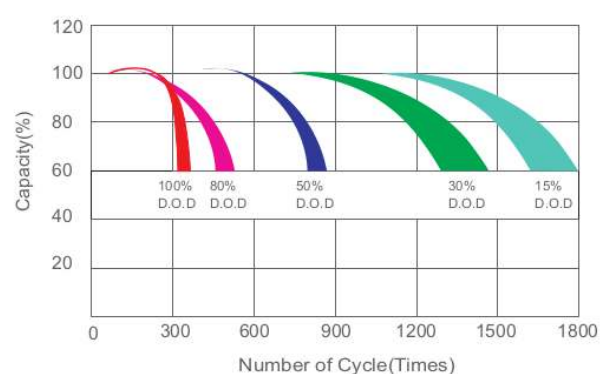
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTICS OF CYCLIC USE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	12 Ah (C10)
Energy	144 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	3.6 A
Max. Discharge Current	180 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 RDC12-12** 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: 151 mm

Width: 98 mm

Height: 95 mm

Total Height: 101 mm

Weight: 3.45 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 3.6 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

RDC12-33 (12 V · 33 Ah) · [See all RDC series models](#)

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