

Endurance for frequent charge/discharge cycling.

The RDC12-75 is a 12 V, 75 Ah (10-hour rate) AGM Deep Cycle lead-acid battery from the Rekoser Deep Cycle (AGM) series. It measures 260 × 169 × 208 mm and weighs 22.5 kg, with F11 terminals. It stores 900 Wh and delivers up to 675 A. Endurance for frequent charge/discharge cycling. Typical applications: Solar/Wind Energy Systems and Light Electric Vehicles.

Formerly **RKC12-75**.

Nominal Voltage	12 V
Capacity (25°C)	75 Ah (C10)
Energy	900 Wh
Weight	22.5 kg
Terminal	F11
Dimensions	260 × 169 × 208 mm

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

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)

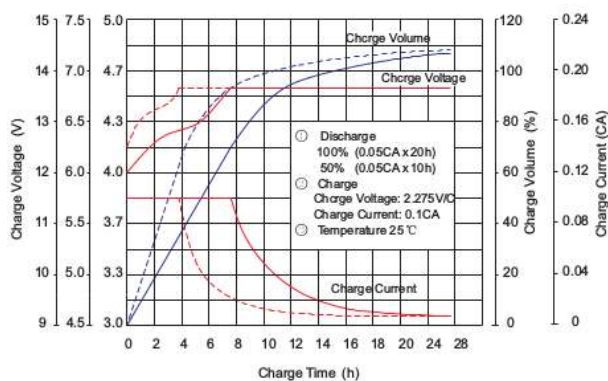
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	118A	106A	96A	367A	743A	419A	513A	57.3A	13.8A
10.80 V	138A	117A	106A	71.7A	45.7A	20A	13.3A	7.5A	3.94A
10.50 V	156A	129A	113A	75A	47.2A	20.4A	13.6A	7.65A	4.01A
10.20 V	179A	139A	122A	77.7A	48.2A	20.8A	13.8A	7.76A	4.09A
10.02 V	201A	153A	129A	80.7A	49.4A	21A	13.9A	7.85A	4.19A
9.60 V	225A	166A	137A	84.5A	50.7A	21.3A	14.1A	7.95A	4.28A

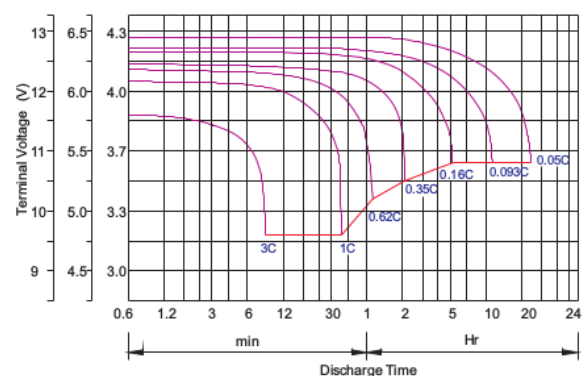
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	222W	201W	184W	130W	84.8W	38.1W	25.7W	14.6W	7.73W
10.80 V	255W	220W	200W	137W	87.7W	39W	26.1W	14.9W	7.86W
10.50 V	285W	240W	212W	142W	89.9W	39.4W	26.5W	15.1W	7.95W
10.20 V	323W	255W	226W	145W	91W	39.7W	26.6W	15.2W	8.06W
10.02 V	358W	278W	237W	150W	92.6W	39.9W	26.7W	15.3W	8.18W
9.60 V	396W	298W	250W	156W	94.5W	40.1W	26.9W	15.4W	8.31W

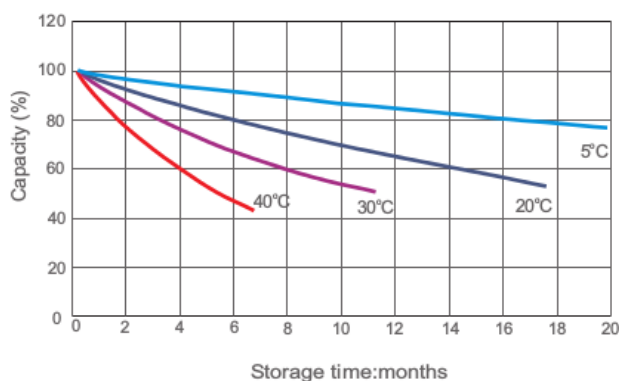
CHARGE CHARACTERISTICS



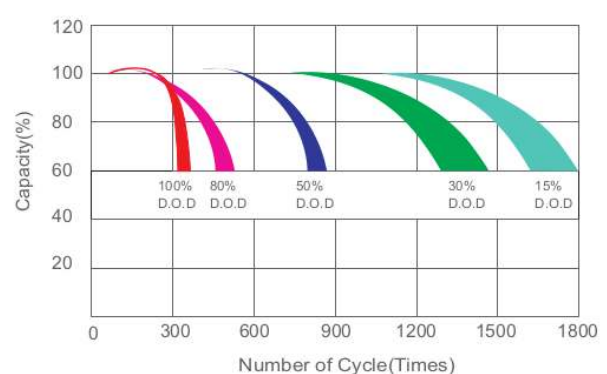
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTICS OF CYCLIC USE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	75 Ah (C10)
Energy	900 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	22.4 A
Max. Discharge Current	675 A
Internal Resistance	55 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 RDC12-75** 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: 169 mm

Height: 208 mm

Total Height: 212 mm

Weight: 22.5 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 22.4 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

RDC12-65 (12 V · 65 Ah) · **RDC12-80** (12 V · 80 Ah) · [See all RDC series models](#)

The same battery in other series: **RFC12-75** (RFC Series – Front Terminal Deep Cycle)

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