

Endurance for frequent charge/discharge cycling.

The RDC12-65 is a 12 V, 65 Ah (10-hour rate) AGM Deep Cycle lead-acid battery from the Rekoser Deep Cycle (AGM) series. It measures 350 × 167 × 179 mm and weighs 20.5 kg, with F14 terminals. It stores 780 Wh and delivers up to 650 A. Endurance for frequent charge/discharge cycling. Typical applications: Solar/Wind Energy Systems and Light Electric Vehicles.

Formerly **RKC12-65**.

Nominal Voltage	12 V
Capacity (25°C)	65 Ah (C10)
Energy	780 Wh
Weight	20.5 kg
Terminal	F14
Dimensions	350 × 167 × 179 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)

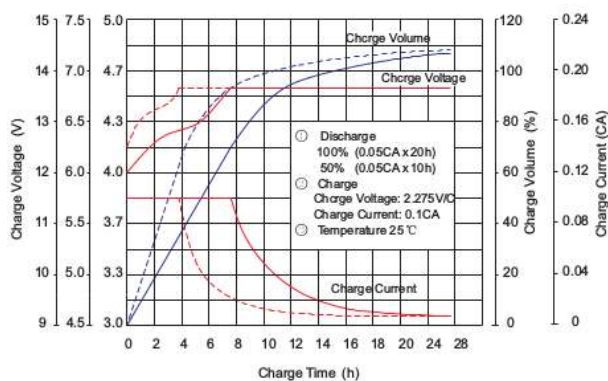
Constant Discharge Ratings (A) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	102A	91.6A	83.5A	58.6A	37.9A	16.8A	11.3A	6.33A	3.33A
10.80 V	119A	102A	91.6A	62.1A	39.6A	17.4A	11.5A	6.5A	3.41A
10.50 V	135A	112A	98.2A	65A	40.9A	17.7A	11.8A	6.63A	3.48A
10.20 V	155A	120A	106A	67.3A	41.8A	18A	12A	6.72A	3.54A
10.02 V	174A	133A	112A	69.9A	42.8A	18.2A	12.1A	6.81A	3.63A
9.60 V	195A	144A	119A	73.2A	43.9A	18.4A	12.2A	6.89A	3.71A

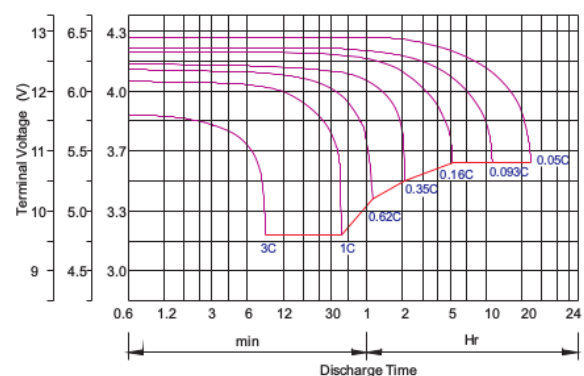
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	193W	174W	159W	113W	73.5W	33W	22.3W	12.7W	6.7W
10.80 V	221W	191W	173W	118W	76W	33.8W	22.6W	12.9W	6.81W
10.50 V	247W	208W	184W	123W	77.9W	34.2W	23W	13W	6.89W
10.20 V	280W	221W	196W	126W	78.9W	34.4W	23.1W	13.1W	6.99W
10.02 V	310W	241W	206W	130W	80.2W	34.6W	23.2W	13.2W	7.09W
9.60 V	343W	259W	217W	135W	81.9W	34.8W	23.3W	13.3W	7.2W

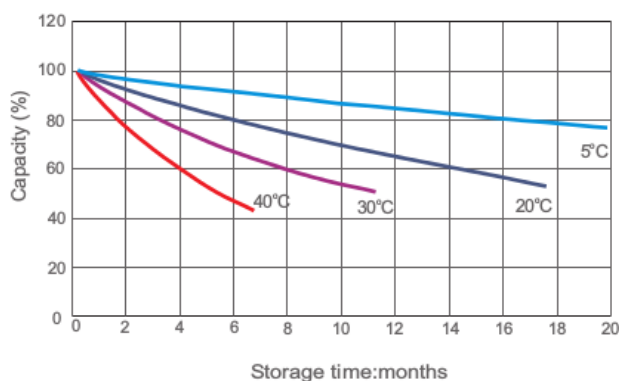
CHARGE CHARACTERISTICS



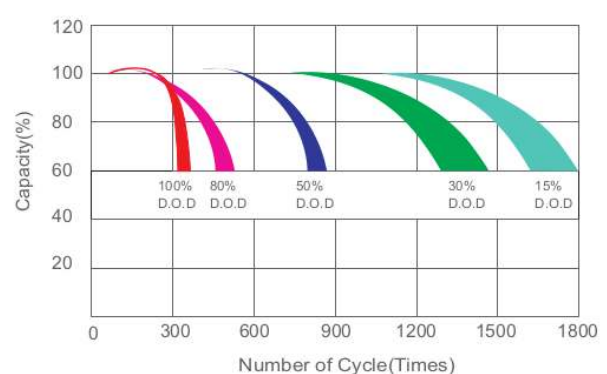
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



LIFE CHARACTERISTICS OF CYCLIC USE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	65 Ah (C10), 68.2 Ah (C20)
Energy	780 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	19.5 A
Max. Discharge Current	650 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 RDC12-65** 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: 350 mm

Width: 167 mm

Height: 179 mm

Total Height: 179 mm

Weight: 20.5 kg

2. TERMINAL CONFIGURATION (F14)

Terminals: Ensure your system's connectors match the F14 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 19.5 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

RDC12-55 (12 V · 55 Ah) · **RDC12-75** (12 V · 75 Ah) · [See all RDC series models](#)

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