

Space optimisation and front-access connection for racks.

The RFT12-190 is a 12 V, 190 Ah (10-hour rate) AGM lead-acid battery from the Rekoser Front Terminal (AGM) series. It measures 560 × 126 × 316 mm and weighs 57 kg, with F12 terminals. It stores 2.28 kWh and delivers up to 1900 A. Space optimisation and front-access connection for racks. Typical applications: Telecommunications and Base Stations and UPS and Data Centers.

Formerly **RKE12-190FT**.

Nominal Voltage	12 V
Capacity (25°C)	190 Ah (C10)
Energy	2280 Wh
Weight	57 kg
Terminal	F12
Dimensions	560 × 126 × 316 mm

MAIN ADVANTAGES

- ✓ **Front terminal:** Connect and measure without removing the unit
- ✓ **19" rack:** Format designed for cabinets and racks
- ✓ **Long life:** EUROBAT class above 12 years
- ✓ **AGM technology:** Sealed and maintenance-free

12
YEARS

LONG LIFE DESIGN

* EUROBAT CLASSIFICATION: >12 Years (Very Long Life).

2
YEARS

WARRANTY

* Subject to charge and temperature parameters stipulated in this datasheet.

MAIN APPLICATIONS



**TELECOMMUNICATIONS
AND BASE STATIONS**



UPS AND DATA CENTERS

QUALITY STANDARDS

CE CERTIFIED

ISO 9001 / 14001

GB/T19639

IEC 61056

JIS C8702

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	268A	228A	216A	154A	99.1A	46.6A	30.7A	18.3A	9.45A
10.80 V	313A	253A	237A	164A	102A	48.9A	32.1A	19A	10A
10.50 V	353A	278A	254A	172A	107A	50A	32.5A	19.3A	10.1A
10.20 V	406A	299A	273A	177A	109A	50.7A	32.9A	19.5A	10.2A
10.02 V	456A	330A	290A	185A	112A	51.2A	33A	19.7A	10.3A
9.60 V	510A	358A	308A	193A	114A	51.9A	33.6A	20A	10.4A

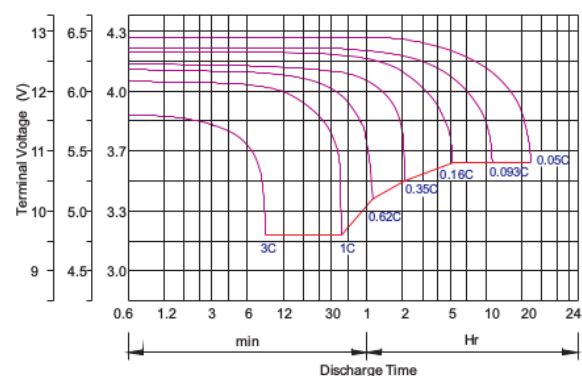
Constant Discharge Ratings (W) at 25°C

F.V / Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
11.10 V	504W	433W	413W	298W	192W	91.6W	60.6W	36.4W	19W
10.80 V	578W	475W	448W	313W	196W	95.2W	63W	37.6W	20W
10.50 V	646W	517W	476W	324W	204W	96.3W	63W	38W	20W
10.20 V	734W	549W	507W	333W	207W	96.9W	63.2W	38.2W	20.2W
10.02 V	812W	599W	532W	343W	210W	97.4W	63.6W	38.4W	20.2W
9.60 V	899W	643W	560W	357W	214W	98W	64W	38.7W	20.2W

CHARGE CHARACTERISTICS



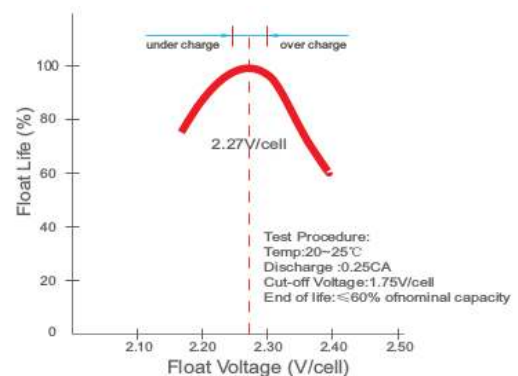
DISCHARGE CHARACTERISTIC 25oC



SELF DISCHARGE CHARACTERISTICS



FLOAT VOLTAGE VS FLOAT LIFE



SPECIFICATIONS

Nominal Voltage	12 V
Capacity (25°C)	190 Ah (C10), 200 Ah (C20)
Energy	2280 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	57.5 A
Max. Discharge Current	1900 A
Internal Resistance	25 mΩ
Self Discharge	3 % of capacity per month at 25 °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 RFT12-190** 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: 560 mm

Width: 126 mm

Height: 316 mm

Total Height: 316 mm

Weight: 57 kg

2. TERMINAL CONFIGURATION (F12)

Terminals: Ensure your system's connectors match the F12 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 57.5 A of charge.

4. SAFETY AND STORAGE

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

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

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

NEARBY MODELS

RFT12-170 (12 V · 170 Ah) · **RFT12-200** (12 V · 200 Ah) · [See all RFT series models](#)

Specialized Technical Support
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