

# VIRVOLT

## Generator Set Manual V-Genera 900

Génératrice VIRVOLT  
VERSION : 1.0 (Février 2026)



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## 1 Identification and technical specifications

### **Manufacturer :**

RETRO FUTURISTE SAS, 8 rue Romarin 69001 Lyon, contact@virvolt.fr

### **Intended Use:**

This device is a generator designed to convert human mechanical energy into electrical energy to charge a battery.

### **1 Current Type: Direct Current (DC)**

**2 Ingress Protection :** IP54 (Protected against dust and water splashes)

**3 Resistance Range :** 100% to 300%.

**4 Battery Compatibility :** 36V batteries supporting regeneration via the discharge port.

**5 Battery Safety :** BMS with mandatory regenerative overcharge protection is required.

**6 Compliance :** CE certified product.

## 2 Safety instructions

The user must read and understand this manual before the first use.

### **1 Electrical Safety :**

- Risk of Electric Shock: Never open the generator housing. Opening the unit voids the warranty and exposes the user to electric shock.
- Equipment Condition: Do not use if the product, housing, or any cables are damaged.
- Cables: Use only with the provided cables.

## ② Thermal Safety :

- Burn Risk: During intensive use, the generator body can reach high temperatures. Do not touch the outer casing immediately after use. Allow for complete cooling before handling.
- Environment: Keep the device away from excessive heat sources or open flames.

## ③ Waterproofing :

The device is designed to be rain-resistant (IP54). However, total immersion and high-pressure jet cleaning are strictly prohibited.

## ③ Operating instructions

### Commissioning :

- Turn on the battery connected to the generator.
- The generator starts automatically 5 seconds after power-up.
- Begin pedaling to generate energy. Power output is proportional to your cadence and the force applied to the pedals.

**IMPORTANT :** The generator features an overcharge safety mechanism. It will not operate if your battery is already 100% charged.

### Resistance Adjustment :

Effort can be modulated via the potentiometer from 100% to 300% resistance. The adjustment is electronic and can be modified in real-time according to your needs.

## 4 Care and maintenance

### Maintenance :

- Periodic Inspection: To ensure system safety and longevity, maintenance by an authorized technician using the "Kit Refresh" is recommended every 5,000 km.
- Cleaning: Use only a dry or slightly damp cloth.

### Repairs :

All technical interventions must be performed by an authorized technician. In case of malfunction (unusual noise, loss of power, overheating), stop use immediately and contact your dealer for a full diagnostic.

Spare parts availability: 10 years.

## 5 Legal and environmental disclosures

### Legal Warranty of Conformity

In accordance with Articles L. 217-1 et seq. of the French Consumer Code, this product benefits from a 2-year legal warranty of conformity from the date of delivery.

This warranty covers manufacturing defects and failures occurring under normal conditions of use.

### Disposal and Recycling (WEEE)

This product contains electronic components. Do not dispose of it with household waste.

Please take it to a local collection point for the recycling of electrical and electronic equipment (WEEE).

Symbol : 