

# RESISTANCE UNIT

## Portable & Emergency Power

The Resistance Unit consists of:

- 100W Bicycle Generator
- Bicycle Training Stand
- Power Pack
- Power Cable

## 100W Bicycle Generator

### Product Specifications

- **Adaptable Wheel Size** 24 – 27-inch / 650c – 700c
- **Max Load** 120 kg (including bike weight)
- **Dimensions** W 610mm x D 570mm x H 400mm
- **Voltage range** 0-50V DC
- **Max current output** 15A
- **Weight** 12kg
- **Warranty** 12 months

## Power Pack

### Product Specifications

### General Specifications

- **Unit Dimensions** 44L x 20W x 14H cm
- **Unit Weight** 5kg
- **Warranty** 12 months

### DC input

**Current Max Limit** 15A

**Voltage Range** 0 - 60V

### AC output

- **Continuous AC Power Output** 200W
- **Peak AC Power Output** 275W for 30 minutes and 450W surge output for 5 seconds.
- **Output voltage (nominal)** 230 V
- **Output frequency** 50 Hz Pure AC Sine-wave

- **Inverter low-battery alarm** 10.5 V (1 min before shut down)
- **Inverter low-battery shutdown** 10.5 V
- **Inverter overload and short circuit protection** Automatic disconnection with 2 time restart attempt
- **Inverter consumption stand-by** 0.3W
- **Inverter consumption «ON» no load** 2.4W
- **Inverter acoustic alarm** before low battery or overheating disconnection
- **Inverter detection of the load** 2W
- **Inverter Acoustic Indicator** The internal inverter has an acoustic indicator that will produce a sound in following circumstances:
  - Intermittent beep: There is a failure in the inverter and the output voltage will be interrupted.
  - Overheat: The acoustic indicator beeps 3 °C before cutting the voltage. Reduce the consumption in order to lower the inverter temperature and to avoid the output voltage is cut off.
  - Low battery voltage: The indicator beeps for a minute before the interruption. Reduce the consumption in order to get the battery voltage rise and to avoid that the output voltage is cut off.

## DC output

- **Max Power Output** 200W
- **Output Voltage** 13.8V (only maintained if there is power going into the system)

## Battery

- Battery connection is recommended using a Battery Adaptor (sold separately)
- Designed for recharging sealed lead acid batteries (If you wish to charge different types of batteries please contact Magnificent Revolution)
- **Suitable Battery Voltage** 12V
- **Max Battery Charge** 13.8 volts
- **Max Battery Size** 200Ah

Specifications subject to change without notice