

# Midtronics GRX 5100

EV Service Tool



Electric (EV) and Hybrid (HEV) vehicles have created new challenges for service centres when it comes to vehicle servicing, particularly when it comes to battery service, roadside assistance and safety.

## Module-Level Diagnostics

Designed to perform module-level diagnostics and balancing for EV battery packs, GRX-5100 has been fitted with specific EV algorithms and testing procedures allowing it to pinpoint specific modules that require servicing. This includes module balancing, stock maintenance, rescue charging, emergency discharging and more.

## Cable Versatility

GRX-5100 is supplied with a range of cables, allowing you to safely connect to and maintain the battery pack.

## Key Features

Part No: 15091195

- ✓ HEV Rescue Charging
- ✓ Emergency Discharging
- ✓ Module Level Balancing
- ✓ 48V System Support
- ✓ Stock Maintenance
- ✓ Range of Cables Available

## Discharging

Safely discharge energy from the battery pack or battery modules to ensure they are safe for removal and transportation. Perfect for workshop battery replacements or ensuring roadside EV breakdown safety.

## Detailed Stock Information

Receive a detailed analysis of stock battery packs prior to fitment. The battery info mode displays the voltage potential between the battery terminals and vehicle chassis, as well as the voltage across the battery terminals.

High Strength Exterior

LCD Display

Hard Safety Disconnect

89% Charge Efficiency

Carry Handles

### Charging VDC

10 - 384  
VDC

### Housing

High Strength Anodised  
Aluminium

### Weight

24 KG  
34 KG Inc Cables

### Dimensions

300 x 737 x 432  
mm

### Protection

Reverse Polarity Protection  
Hard Safety Disconnect

### Input

Intuitive keypad  
design

## Balancing & Charging

Over time each module's voltage will reduce at a different rate, causing different modules to have varying voltages. GRX-5100 can balance sections of the battery pack to provide optimal pack operation and to increase performance by bringing each module into alignment.

## Ease of Use

Fitted with a multi-function keypad, navigating menus and selecting settings is simple. Complete with easy select options, navigation keypad and 9 button number/text selection.



# Specifications

## Charging

<b>Ampres</b>	0 - 7.5 DC
<b>VDC</b>	10 - 384 VDC
<b>Protection</b>	Reverse Polarity Protection & Hard Saffety Disconnect
<b>Charging Voltage</b>	14.4V
<b>Maintenance Charging Voltage</b>	13.6V
<b>Charging Current</b>	50A
<b>Ingress Protection</b>	IP5K3
<b>Dimensions (HxWxD)</b>	20 x 175 x 85 mm
<b>Weight</b>	6 KG
<b>AC Power Cable Length</b>	5 Metres
<b>DC Power Cable Length</b>	2.5 Metres