



Midtronics
xMB-9640
High Voltage EV Module Balancer



Quickly, efficiently and safely perform module-level balancing of EV and HEV vehicles batteries.

What is Module Balancing?

The main 'propulsion' pack in Electric Vehicles is made up of a range of smaller battery packs called modules. Over time, the voltage and condition of each of these modules will vary and that can affect the efficiency, longevity and mileage available for the vehicle. xMB-9640's advanced testing technologies and algorithms allows you to check the voltage and status of each individual module in the pack and then you can maintain each module individually or the pack as a whole.

Simple Service Operation

Electric Module Balancing doesn't need to be as complex as it sounds. Fitted with a crisp 3" colour touch screen display makes assessing pack results and setting settings simple!

Key Features

Part No: 15001041

- ✓ Up to 96 Volts
- ✓ Advanced Testing Algorithms
- ✓ Automatic Module Detection
- ✓ 3" Colour Touchscreen
- ✓ Trolley Mountable
- ✓ Advanced Issue Detection
- ✓ Continuous Battery Monitoring

Automatic Module Detection

xMB-9640 is fitted with powerful technologies and advanced algorithms to allow it to automatically detect each individual module within the pack. It will also test to see the modules voltage levels

Safety First

Handling high voltage power packs can be dangerous, but xMB-9640 makes servicing EV packs as safe and straightforward as possible. Continuous charge monitoring ensures that charging or discharging is conducted safely, while the overvoltage shut-off feature protects the equipment from voltage surges.

Powerful Module Balancing

Once xMB has successfully detected all the modules in the pack, it will automatically initiate the process of charging or discharging each module individually. Throughout this process, the system ensures that each module is brought to a similar voltage level.

Easy to use

Module balancing doesn't have to be difficult! Connecting xMB using the high voltage cable is simple and it is fitted with a crisp 3" colour touchscreen display that makes entering settings a breeze! Pair your xMB with the barcode scanner for easy VIN/Barcode entry!

Up to 96VDC or 40A

3" Colour Touchscreen

Simple Operation

Send results via Wi-Fi

Optional VIN Barcode Scanner



Automatic Module Detection

Trolley Mountable

Continuous Battery Monitoring

Automatic Cable Detection

OTA Software Updates

Output

48V, 40A

96V, 20A

Cables

2 Metre

Charge Cables

Fully Serviceable

Unit can be fully repaired by Rotronics

User Input

3" Touchscreen

5 Button Input Pad

Protection

Reverse Polarity

Protection

Warranty

2 Years Manufacturers

Warranty

Specifications

Power Output	48V - 40A 96V - 20A
Module Chemistries	Lithium Ion
Safety Features	Reverse Polarity
Connectivity	USB 2.0 CAN BUS interface Bluetooth 2.0 Wi-Fi
Optional Equipment	Workshop Trolley

Accessories



We can provide a range of accessories for xMB-9640.

This includes specific cables and connections designed for aftermarket and OEM use.

We can also supply official xMB workshop trollies and replacement parts.