xMB-9640

High-Voltage Module Balancer

xMB-9640 High-Voltage Module Balancer represents the third generation of Midtronics xEV battery service tools, enabling technicians to quickly, efficiently and safely perform module-level balancing of EV and HEV batteries.

- Balances battery pack modules to ensure optimal pack operation, safely and efficiently charging or discharging individual modules to bring the pack into alignment and enable a better customer experience
- Easy user interface and on-screen prompts guide accurate service
- Compact footprint for more mobility within the shop

xMB-9640 SELECTED FEATURES

- Up to 96Vdc; 40 amps max
- 5-inch color touchscreen and easy-to-use icon-based user menu
- Automatic cable and module detection
- Option to operate using either touch-screen or keypad
- Cell voltage and temperature monitoring
- CAN communication
- Wi-Fi and Bluetooth communication

Battery Management Processes

Midtronics products are designed to meet a variety of battery and electrical system service requirements, but selected features on individual products may make them a better fit for your unique service applications. This product is particularly well-suited for these battery management processes:

PRIMARY USES

Module Balancing

KEY PRODUCT DIFFERENTIATOR

Module-level Service for Faster, More Cost-Effective Maintenance

With growing market acceptance of EV/HEV vehicles, the demand for high-voltage battery packs and longer range battery capacity will continue to grow. The xMB-9640 offers a distinct competitive service advantage, enabling shops to safely and accurately complete most module service in one work day.

By supporting module-level vs. full battery pack service, the xMB-9640:

- Simplifies service
- Controls manufacturer warranty costs
- Decreases repair time
- Reduces customer expense

Analytics and Communication

- **BMIS integration supports automated over-the-air software updates and analytical reporting**
    - **Capture and review battery testing data**
    - **Visibility into process compliance**
    - **E-mail results via built-in Wi-Fi**

Module Balance
Transport Discharge
Settings
History
Messages
Support
xMB-9640 MODULE BALANCER
MIDTRONICS

DIMENSIONS

- HEIGHT: 9.37" IN (23.8 CM)
- WIDTH: 17.25" IN (43.81 CM)
- DEPTH: 17.82" IN (45.26 CM)
- WEIGHT: 37.4 LBS (21.55 KG)

CONNECTIVITY

- WI-FI
- 802.11 B/G/N 2.4GHZ
- SECURITY – WEP, WP, WPA-2 ENTERPRISE
- SERIAL CAN BUS INTERFACE

CHARGING PARAMETERS

- MAX VOLTAGE – 96 VDC
- MAX CURRENT – 40A FROM 0-48V; AND 20A FROM 48V – 96V

WARNING: CANCER AND REPRODUCTIVE HARM - WWW.P65WARNINGS.CA.GOV

MIDTRONICS

Advancing Battery Management

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