

TOP TIPS

# Benefits of a Smart Battery Charging and Testing Unit



Read how engineers can benefit from using the CB12245AJ charging and testing unit with integrated CANbus communication functionality.

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### Use the device longer

Thanks to the Battery Care philosophy and strategy, this charging and testing unit with integrated CANbus communication functionality optimizes battery life.

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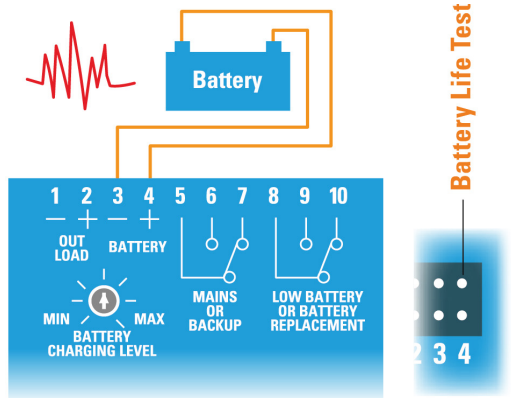
### Keep things easy

Housed in a strong enclosure, this unit is easy to install as it comes with an automatic coupling for DIN rails. Even during installation, the unit monitors for reverse polarity, battery connection, element in short circuit, overload, and charging current limitation.

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### Reduce operational worries

Once batteries have been automatically charged, this charging and testing unit checks the battery life status to avoid all risk or damage.



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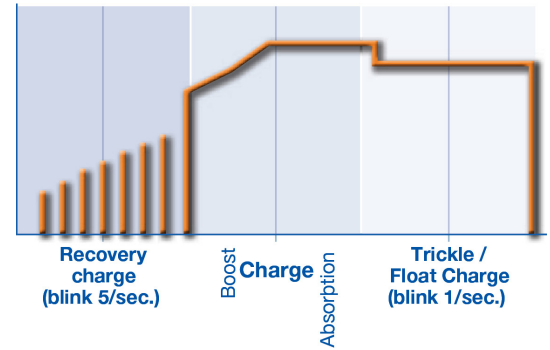
### Maintain system control

Users remain permanently under control, as the unit is based on the latest generation of microcontroller, which provides more than 50 parameters concerning charging status and failure through the CANbus J1939 protocol.

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### Gain multi-stage operation

This charging and testing unit with integrated CANbus communication functionality is provided with automatic four-stage charging profiles, accurate battery diagnosis, and is considered a revolution in high-tech energy management.



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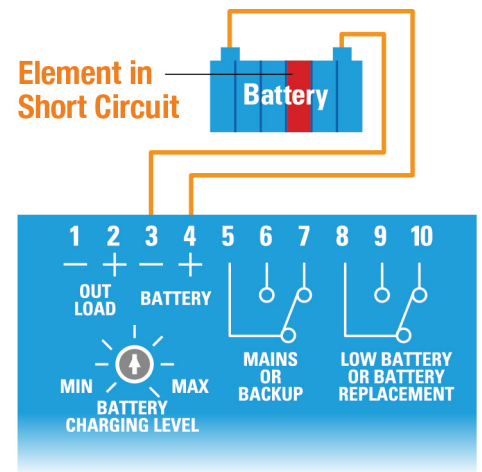
### Save on real estate

Because of the unit's extremely small size, users can incorporate the device in applications where a small footprint is critical.

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### Rely on fast charging turnarounds

These battery charging and testing units are designed using fast charging technology so that units are back in service quickly.



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### **Achieve maximum safety capabilities**

Units provide safety and protection through standard features including battery charging temperature compensation.

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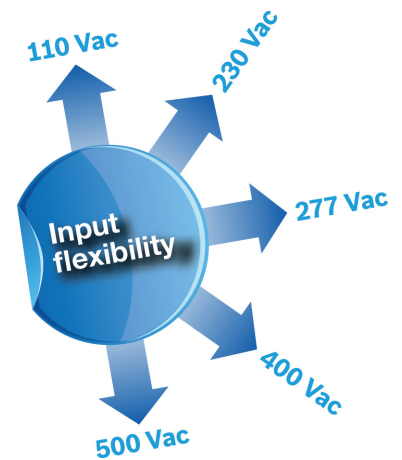
### **Maintain power even during battery failure**

On some devices, it is possible to enable the power supply function, which provides power even when the battery fails or is disconnected from the output. This function is enabled using a jumper.

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### **Charges and monitors all battery types**

These charging and testing units with integrated CANbus communication functionality work with AGM, Gel, NiCd, Ni-MH, and Li-ion batteries.



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### **Gain flexible operation**

These battery charging and testing units accept a wide input voltage range of 115, 230, or 277 VAC and provides both 12 and 24 VDC outputs.