



Midtronics CX PRO 100-2

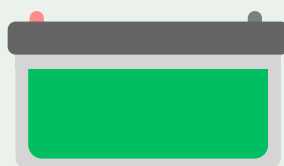
Advanced 24V Battery Balancer and
Maintenance Solution

Battery Imbalance is Inevitable

Due to external factors, over time 24V battery sets will eventually start discharging at different rates and even though the alternator is doing it's best to keep the batteries charged, it is not sufficient to keep both 12V batteries charged and In Balance. Balanced batteries refer to whether both batteries in the set have the same SoC (State of Charge).

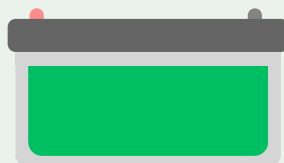
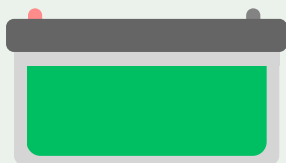
The Cause of Premature Replacement

Without proper maintenance, the battery with the lowest voltage will be consistently under performing which will almost definitely result in unplanned battery failure.



Balanced Batteries

With the proper maintenance, both batteries will be properly balanced, resulting in extended lifespan and reducing the likelihood of unexpected battery failure.



Battery Failure = Loss of Profit

Premature battery failure can cost you much more than just replacing a battery and it will bring an inevitable loss of profit. Unexpected battery failure will lead to...

- ✓ Vehicle downtime
- ✓ Cost of a new battery
- ✓ Impacted services
- ✓ Loss of revenue
- ✓ Maintenance costs
- ✓ Cost of battery disposal
- ✓ Customer frustration
- ✓ Higher costs



A Simple Solution

Introducing Midtronics latest charging innovation, CX PRO 100-2.

Designed to combine simplicity with powerful balanced charging technologies, CXPRO100-2 is both a high-current stable power supply for diagnostics and a sophisticated workshop charger featuring state-of-the-art technology, designed specifically for heavy duty vehicles.

Made for use with 12V and 24V lead acid and Lithium LiFePO4 batteries, it combines advanced technology with user-friendly operation, making it simple to use and highly portable. With a range of accessories and add-ons, you can make a customised solution to suit your needs and requirements.

CX PRO 100-2 boasts a dual output design allowing for fully automatic charging delivering 50A/12V or 100A/24V.

Operation is simple, to commence charging simply connect the battery, select battery type and press start. There's no complex menus to navigate or settings to adjust, just simple and easy balanced charging.



Supported Battery Types

Flooded, AGM & Lithium including LiFePO4

Included Cables

2x 5 Metre Heavy Duty Charging cables

Charging Amps

Single Channel - 1x 50A
Dual Channel - 2x 50A

Safety Features

Reverse Polarity, Spark & Peak Voltage Protection

Warranty

2 Years Manufacturers Warranty

Charging

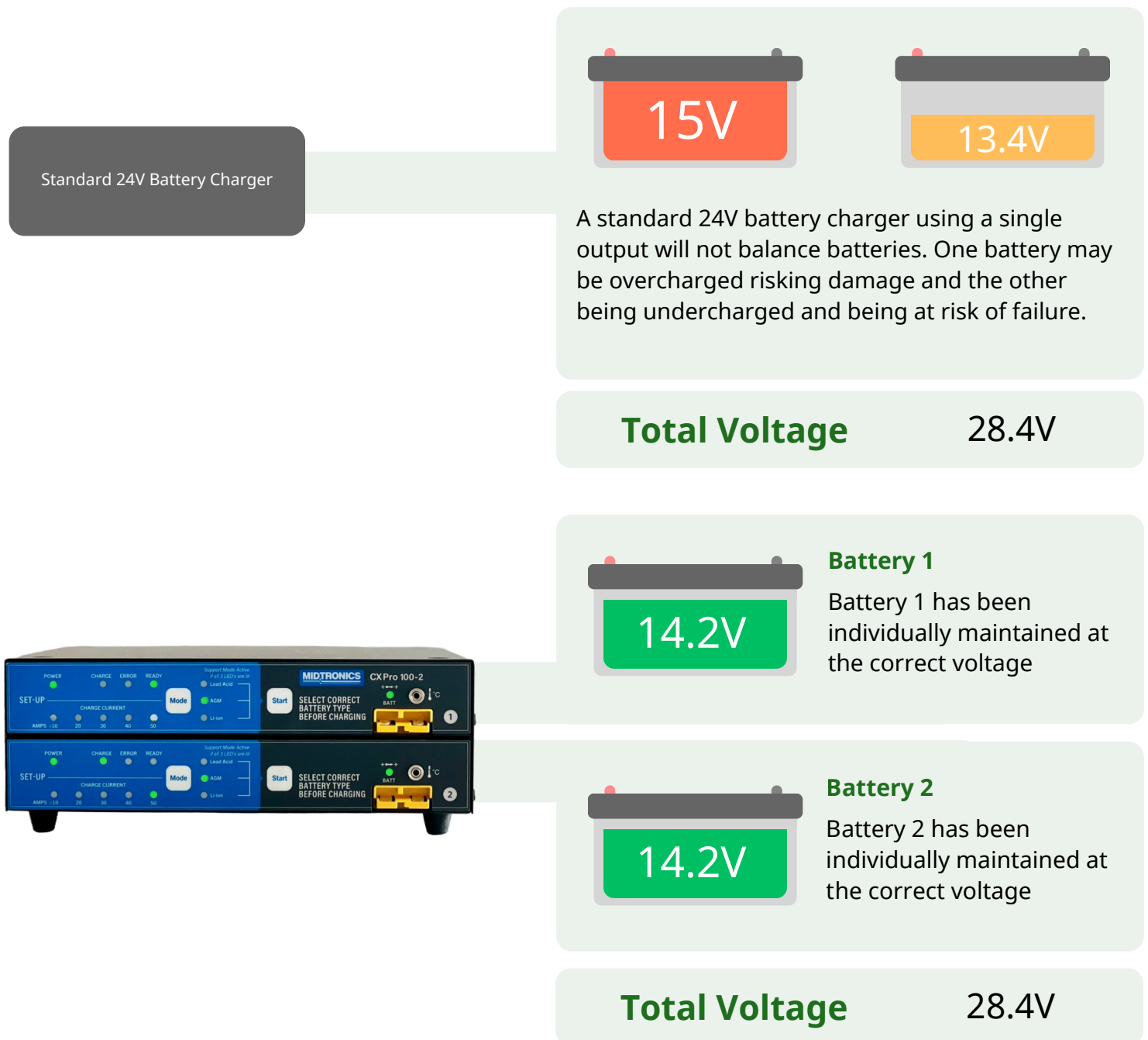
Fully Automatic Multi-Step Charging

View full spec sheet and more in-depth information at rotronicsbms.com/cx-pro-100-2

How CX PRO 100-2 Works

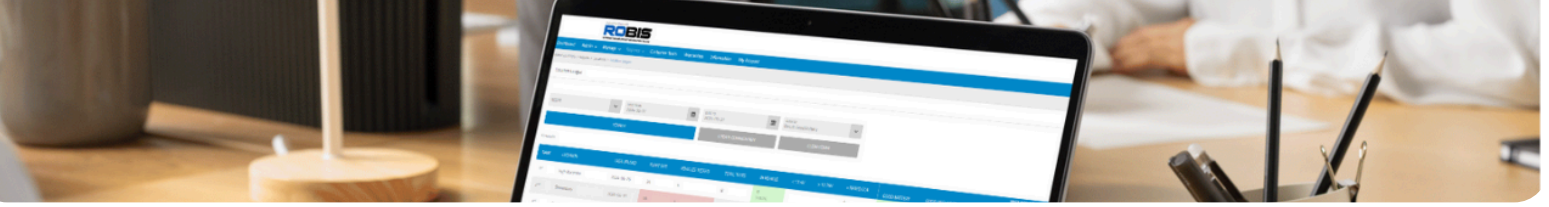
Unlike other 24V chargers that charge a 24V set as a whole, CX PRO 100-2 maintains each 12V battery individually, ensuring maximum charging efficiency and allows for both batteries to be balanced, increasing their longevity and reliability.

The below diagram demonstrates the difference between using a standard charger and Midtronics CX PRO 100-2's battery balancing technology.



Whilst both sets total voltage is correct at 28.4V the standard 24V battery charger puts both batteries at risk of damage or failure whilst CX PRO 100-2 maintains both batteries individually boosting health and performance.

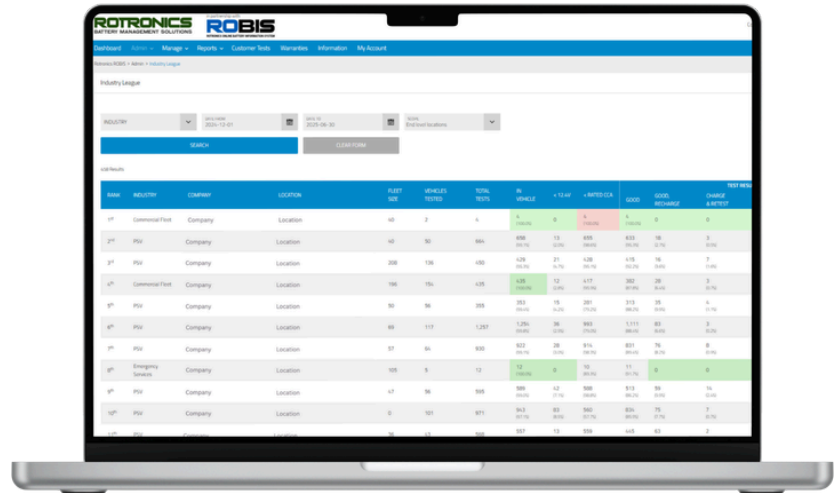




The First ROBIS Compatible Charger

ROBIS is Rotronics purpose built system to bring together all of your battery maintenance efforts together in one place, with the support you need to correctly maintain your vehicles and batteries. The ROBIS platform includes access to Analytics, Equipment Management, Warranty Management, Training and Priority Support services.

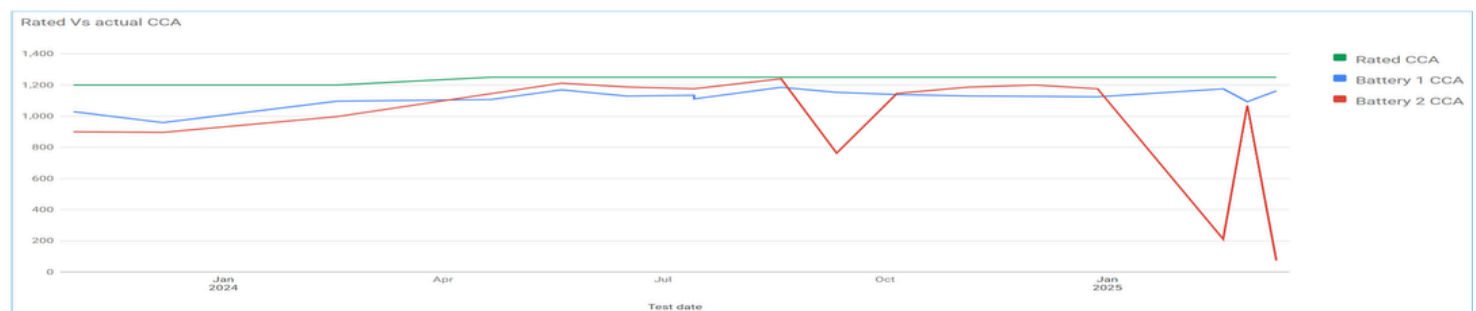
ROBIS compatibility will not be available at launch.



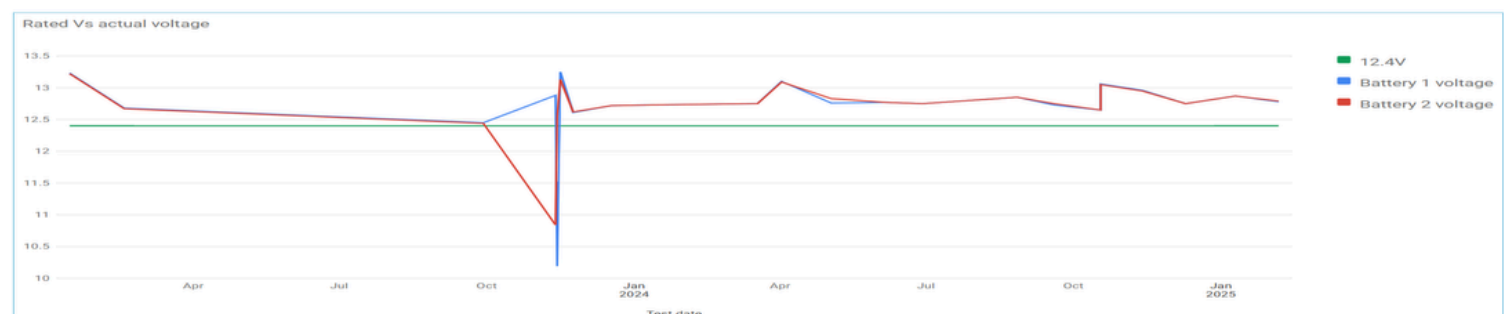
ROBIS Insight

Using ROBIS' powerful analytic tools, you can gain a valuable insight into how your batteries are performing and how proactive maintenance supports them.

The below chart is a profile of a 24V battery set which hasn't been proactively maintained and balanced. You will notice that the variations in CCA's of both batteries, which will ultimately reduce their serviceable life and vehicle reliability.



When CX PRO 100-2 has been introduced to the maintenance process, you will see both batteries are constantly aligned. When batteries are maintained with CX PRO 100-2, you are maintaining both batteries individually and as a pack, preventing unnecessary failure.





01453 840 401



info@rotronicsbms.com



www.rotronicsbms.com

Unit 18
Tortworth Business Park
Tortworth
South Gloucestershire
GL12 8HQ