Stay in Charge!

ChargeXpress PRO series
Vehicle battery specialty charger & power supply

Midtronics’ ChargeXpress PRO series is best described as a multi-tasking specialty charger and power supply unit. It is specifically designed to maintain battery state-of-charge and state-of-health during vehicle service, complex maintenance routines and for powering demonstrations.

Specialty chargers
Midtronics ChargeXpress PRO series differentiate themselves from ordinary chargers by combining a battery charge mode with charge acceptance and battery conditioning in the power supply mode. It provides a clean, reliable power supply for charging and maintaining battery state-of-charge, which draws significant power from the vehicle battery. The portable and easy to place CX PRO is safe, fast and simple.

Why?
• Perform a wide range of vehicle battery charging & power supply related tasks with a single investment
• Maintain battery state-of-charge to avoid potential damage resulting from battery drain during vehicle service
• Return battery in optimum condition to ensure customer mobility and increase customer satisfaction
APPLICATIONS

Due to the design, technical as well as the size and weight dimensions of the ChargeXpress PRO, it can be used in different applications. From the showroom to the diagnostic area and from the service area to the charge area, the ChargeXpress PRO can be used everywhere.

• Make sure the vehicles in the showroom are always in a perfect charged condition. A vehicle with a discharged battery is difficult to demonstrate let alone sell.

• While diagnosing or programming a vehicle the battery voltage should remain in the fully charged window. A low voltage level during pro-gra-mming can result in an aborted programming cycle which can result in a damaged control unit.

• During regular service maintenance a vehicle should be hooked up to a charger/charge condition to ensure that the battery remains fully charged. Often a vehicle comes into the workshop with a partially discharged battery.

The ChargeXpress PRO is a perfect tool to charge one or two batteries in a vehicle or on a charge bench. Even if the batteries are different in technology the charger can be set to charge two different batteries.

SIMPLE user interface eliminating guesswork and user errors in order to provide proper charge every time

Perform preventive maintenance testing in less than five minutes to reduce operating costs while increasing reliability and ensuring fleet mobility
Functions

Intelligent charge acceptance detection with automatic charge refusal of faulty batteries, is saving time, energy and manpower.

Broader applications and usability
The Midtronics ChargeXpress PRO 50-2 combines a heavy duty charger with a power supply and delivers heavy duty savings.

Precision charging
Unlike traditional chargers the ChargeXpress PRO 50-2 has an intelligent way of detecting charge acceptance, which helps to avoid breakdowns saving time and energy. The charger delivers an intelligent and balanced charge to prolong battery lifespan and improve system reliability.

Midtronics controlled chargers (C₂) with switchmode use high frequency technology in combination with a smart charge curve which delivers a simultaneous, yet individual, charge.

Programming and maintenance
While servicing your vehicles battery voltage should remain constant and batteries fully charged. Using the power supply mode ensures a full charge during maintenance routines. On-board diagnostic work such as reprogramming ECU vehicle electronic systems can drain the batteries. A low voltage level during programming can result in an aborted programming cycle that can result in a damaged control unit.
# ChargeXpress PRO series
vehicle battery specialty charger & power supply

## Specifications

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<th>ChargeXpress PRO 25</th>
<th>ChargeXpress PRO 50-2</th>
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| **Applications** | 12 volts Lead Acid/Ca-Ca (Flooded), AGM/Spiral and GEL batteries for automotive, agricultural and marine. | • 12 volts Lead Acid/Ca-Ca (Flooded), AGM/Spiral and GEL batteries for automotive, heavy duty, agricultural and marine.  
• 24 volts heavy duty battery sets (2 x 12V) |
| **Display** | 1 Status LED  
4 Function LED’s | 2 x 1 Status LED  
2 x 4 Function LED’s |
| **Cable length** | 5m (ca. 15 ft), removable | 2 x 5m (ca. 15 ft), removable |
| **Power requirements** | 230 Volt AC - 50 Hz / 16A | 230 Volt AC - 50 Hz / 16A |
| **Charge curves** | • Lead-Acid/Ca-Ca (Flooded)  
• AGM/Spiral  
• GEL  
• Program/In-Service mode | • Lead-Acid/Ca-Ca (Flooded)  
• AGM/Spiral  
• GEL  
• Program/In-Service mode |
| **Charging Amps** | 25 A | 50 A single channel  
2x 25A dual channel |
| **Power output** | 300W | 600W |
| **Dimensions** | 205 mm * 165 mm * 100 mm | 300 mm * 165 mm * 100 mm |
| **Weight** | 2.5 kg | 4.0 kg |
| **Protection index** | IP 23 | IP 23 |
| **Temperature range** | -20°C – 45°C (-4°F – 113°F) | -20°C – 45°C (-4°F – 113°F) |
| **Hardware** | Flash programmable | Flash programmable |
| **Volt sensing** | In software | Full automatic |
| **Warranty** | Midtronics standard two (2) years | Midtronics standard two (2) years |
| **Content** | Base unit, 1 removable charge cable of 5 meters mains lead and user manual | Base unit, 2 removable charge cables of 5 meters mains lead and user manual |

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Product information and specifications are subject to change. Midtronics reserves the right to make changes or alterations to product information/specifications.