

# Stay in Charge!

**MIDTRONICS**

## 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



INNOVATION



TECHNOLOGY



QUALITY



WORLDWIDE

## 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 programming 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.

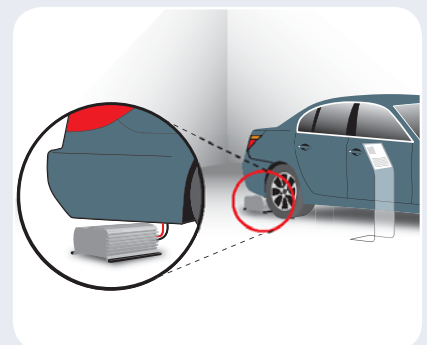
The ChargeXpress PRO is a perfect tool to charge one or two batteries in a vehicle or on a charge bench. Even if the batteries are different in technology the charger can be set to charge two different batteries.

- Simple one button operation
- No sparks
- Reverse polarity indication
- Dedicated charge curves
- Power supply for programming
- Charge acceptance detection
- One or two outputs
- Field exchangeable cables of 5m
- Pulse (final charge) mode
- Peak voltage protection
- Volt sensing

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

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## 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.

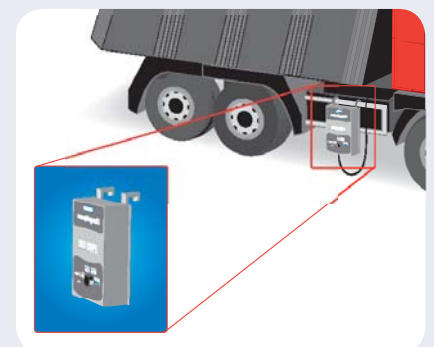
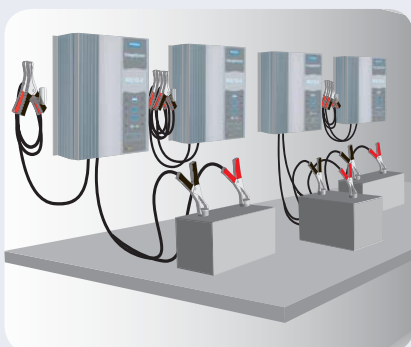
### Precision charging

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 (C<sub>2</sub>) 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

	ChargeXpress PRO 25	ChargeXpress PRO 50-2
Applications	12 volts Lead Acid/Ca-Ca (Flooded), AGM/Spiral and GEL batteries for automotive, agricultural and marine.	<ul style="list-style-type: none"><li>• 12 volts Lead Acid/Ca-Ca (Flooded), AGM/Spiral and GEL batteries for automotive, heavy duty, agricultural and marine.</li><li>• 24 volts heavy duty battery sets (2 x 12V)</li></ul>
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	<ul style="list-style-type: none"><li>• Lead-Acid/Ca-Ca (Flooded)</li><li>• AGM/Spiral</li><li>• GEL</li><li>• Program/In-Service mode</li></ul>	<ul style="list-style-type: none"><li>• Lead-Acid/Ca-Ca (Flooded)</li><li>• AGM/Spiral</li><li>• GEL</li><li>• Program/In-Service mode</li></ul>
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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