

SmartCharger

powered by Deutronic 

12V battery charging computer for the professional use in showrooms and workshops





The Deutronic SmartCharger Series is designed for the charging and maintenance of lead-acid based and LiFePO₄ batteries. With its adaptive charging and maintenance algorithm the charger is perfect for use in automotive showrooms and workshops. The robust and closed housing also allows for use in automotive workshops.

Deutronic is the technology and market leader for industrial automotive charging technology. Leading car manufacturers worldwide rely on Deutronic.

- ✓ **Robust and reliable**
- ✓ **Different modes for**
 - Power Supply
 - Charging lead acid batteries
 - Long-term charging (showroom / hibernation) of lead acid
 - Charging LiFe
 - Long-term charging (showroom / hibernation) of LiFe
 - Cable compensation
- ✓ **Designed for professional use in workshops**
- ✓ **Suitable for lead acid- and lithium (LiFePO₄)-based battery types**
- ✓ **Cables with a breaking point for use in showrooms (SC300 & 500)**
- ✓ **Made in Germany**

Designed for Pb and LiFePO₄ Batteries

- ✓ High-precision cable compensation
- ✓ PowerUp Mode: to be able to connect deeply discharged LiFePO₄ batteries again (provided that the integrated electronics in the batteries give permission)

Adaptive and dynamic Charge Algorithm and monitoring Algorithm

- ✓ Long-term charging modes are optimised for the requirements in showrooms
- ✓ Dynamic adjustment according to the battery and load situation

Optimised Usability

- ✓ Battery state of charge and process (e.g. supply mode) will be displayed via RGB LEDs
- ✓ The last active mode will be rebuilt after a power failure

Scope of Delivery

- ✓ SmartCharger
- ✓ 5 m mains cable
- ✓ 3 m charging cable incl. breaking point and cable clamps [SC 300 & 500]

Features

- ✓ 12V (14,4V nom.) output voltage
- ✓ Extensive protection and self-protection functions
- ✓ Short circuit and reverse polarity protection
- ✓ Protection of the on-board electronic system / airbag
- ✓ Protection against defective batteries / spark suppression
- ✓ For all types of 12V lead-acid-batteries, wet batteries, Ca/Ca, AGM, EFB, GEL
- ✓ For all types of Lithium (LiFePO₄) batteries

Types

Type	P _{OUT}	Input voltage	Output voltage	Art. No.
SmartCharger 300	300W [20A]	100–240VAC	14,4/14,0VDC	107143/20/000
SmartCharger 500	500W [35A]	100–240VAC	14,4/14,0VDC	107142/20/000

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