

That's what we call **S**mart



The new Chargers of series SMART are controlled and monitored by a modern microprocessor control.

The charging characteristic of SMART Chargers has been optimized specifically for industrial trucks, to achieve a longer battery life, and reduce the energy and water costs.

Charging time is between 6,5 and 14 hours, depending on battery capacity and type of device. The devices are for use in the 1-, 2 - or 3-shift operation.

All operating parameters are adjustable and can be adapted to special operating conditions.

All datas as well as the last 1200 charging cycles can be read out via a USB interface using a standard USB cable.

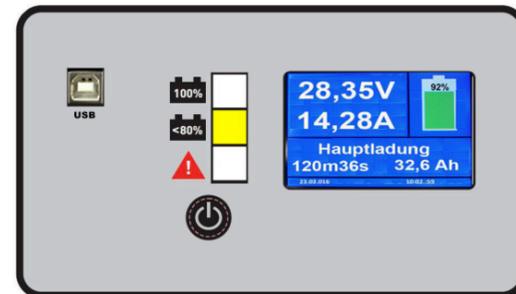
The detailed data and the integrated statistics allow a exact analysis of the individual charging stations. All errors are recorded and can be read out to optimize the charging station.

The new modern graphic display shows all current values at a glance. The actual battery voltage, charge current, the charged ampere-hours and load time are displayed. The graphic display also displays the current charging state in %, as well as all fault messages in detail in plain text. Thus, the state of the connected battery is visible at a glance.

The SMART series has especially bright LED to recognize the operating status of the charger by long distances

FEATURES.

- Approved Know How
- Simple handling
- Very robust construction
- Service-friendly casing
- Fully automatic, microprocessor-controlled charging
- Ah-monitoring ensures that neither overcharging nor undercharging can occur
- With Wa – Pulse charge: Reduce of total charge time for up to 2h, but also a gentle charging of the battery and energy saving
- Graphics display with high resolution
- USB interface for reading out data and programming
- Option: WLAN – Networking possible
- Storage of the last 1200 charging cycles
- Especially bright LED
- Integrated timer for a programmable charging start
- Charge level indicated in the display
- Messages are programmable in various languages
- Appliances can be configured for special cases with software
- Option: Battery Management System “Next Battery Guard”



SMART – B

The series SMART-B is a simple and low-cost universal WA charger according to DIN 41774 with automatic switch-off after full charge. In the series smart B the USB - interface and the data store was dispensed.

SMART – E

The series SMART-E is a universal WA charger according to DIN 41774 with automatic switch-off after full charge. All operating parameters are adjustable and can be adapted to special operating conditions. All operating data as well as the last 1200 charging cycles can be read out via USB interface using a standard USB cable.

SMART - D

The series SMART-D is a universal WA charger according to DIN 41774 with automatic switch-off after full charge. All operating parameters are adjustable and can be adapted to special operating conditions. Ah-monitoring ensures that neither overcharging nor undercharging can occur. All operating data as well as the last 1200 charging cycles can be read out via USB interface using a standard USB cable.

The new modern graphic display shows all current values at a glance. The actual battery voltage, charge current, the charged ampere-hours and load time are displayed. The graphic display also displays the current charging State in %, as well as all fault messages in detail in plain text. Thus, the state of the connected battery is visible at a glance.

SMART – P

Smart-P chargers work P with a WA-pulse curve. The electrolyte is mixed by pulsing of the charging current. This technique reduces the temperature and water consumption in the battery. This has a positive effect on battery life, and reduces the charging time, and energy cost is saved by the lower charging factor. Ah-monitoring ensures that neither overcharging nor undercharging can occur. All operating data as well as the last 1200 charging cycles can be read out via USB interface using a standard USB cable..

The new modern graphic display shows all current values at a glance. The actual battery voltage, charge current, the charged ampere-hours and load time are displayed. The graphic display also displays the current charging State in %, as well as all fault messages in detail in plain text. Thus, the state of the connected battery is visible at a glance.

