STROMAT-T

alcona Automation

modular · powerful · robust

The cost-effective truck charging solution

43 kW AC

The clever solution for construction sites, municipal operations, regional and distribution traffic

Fully electric commercial vehicles enable **emission-free operation**, which not only helps r**educing environmental impact** but also opens up **new business opportunities** in emission-regulated environmental zones. The elimination of the diesel engine results in l**ower noise and vibration levels** both in the driver‘s cab and in the area surrounding the truck.

Companies benefit from **improved overall economic efficiency** of electrically powered commercial vehicles due to **lower operating costs** and the elimination of truck tolls and vehicle taxes.

sustainable · future-oriented · quiet

In conjunction with the STROMAT-T charging station, you can charge your electric vehicle **extremely gently** with 43 kW AC during **longer periods of downtime** or even **overnight**. The charging power is sufficient, for example, to completely recharge a **300 kWh** battery within **7 hours**! The longer charging times compared to a DC fast charger **protect your vehicle‘s battery** and thus **increase its lifetime**!

The STROMAT-T ensures charging that is **beneficial to the grid**. The limited charging power **avoids costly peak loads** and ensures **grid stability**. The **huge connection increases** or **network expansions** that would otherwise be required by the energy supply companies when installing DC fast chargers can be eliminated. This means that savings in the 6- to 7-digit range can be achieved quickly!

Compared to the DC charger, the charging technology installed in the STROMAT-T is extremely robust. Benefit from a **long-lasting** and **cost-effective** charging system of the future!

long-lasting and cost-effective

The STROMAT-T is specially designed for **construction and depots** as well as **storage and logistics centers**, whereby a different number of **charging points** can be implemented. A **modular design** is used, consisting of two components:

- The charging station including the required charging electronics with data bus
- One or more central distribution cabinets for accommodating the main power components including the required fuses

This separation of the **local charging point** and the **central distribution** cabinet creates a scalable solution that enables the **simplest of installations**. All components required for maintenance are **freely accessible** in the distribution cabinet!

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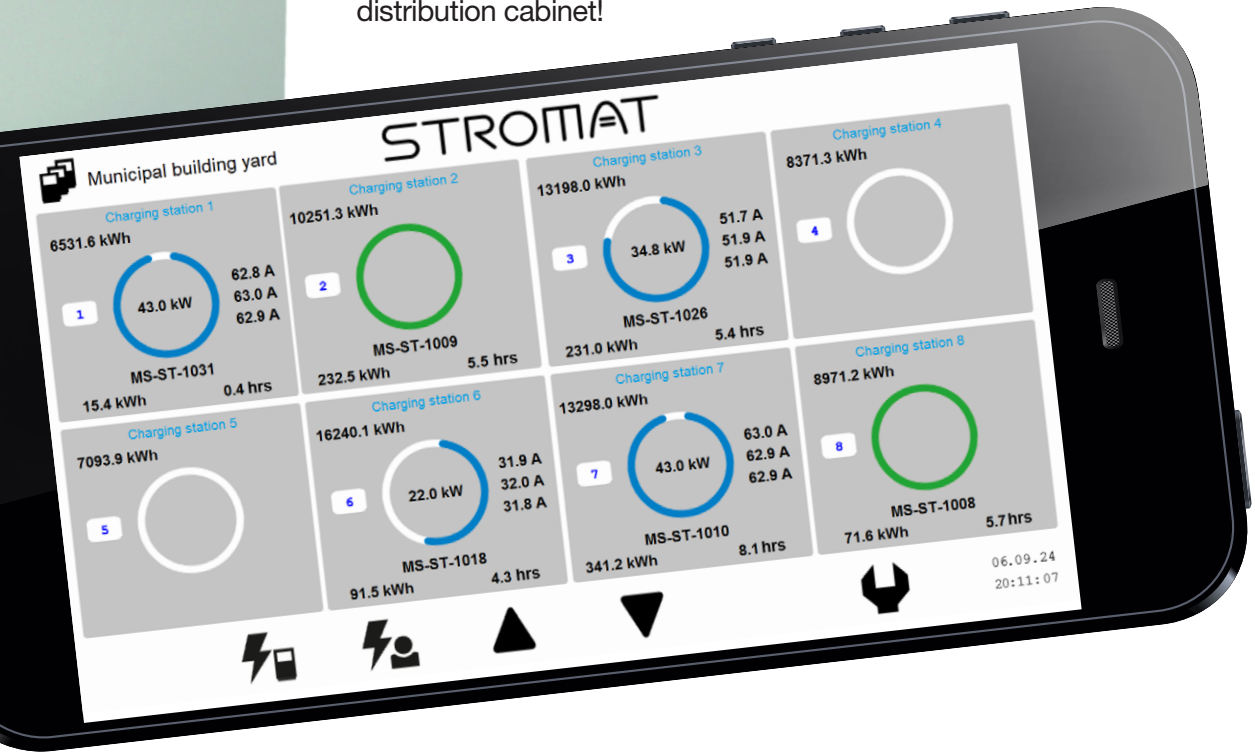

The charging points become intelligent via the **control computer** integrated in the distribution cabinet. Here the charging points can be operated centrally via a **web mask**.

User accounts can be set up and **consumption data** can be recorded and evaluated. A **variety of interfaces** allow the charging stations to communicate with higher-level systems and also with the **manufacturer's own backend system MANAGER**.

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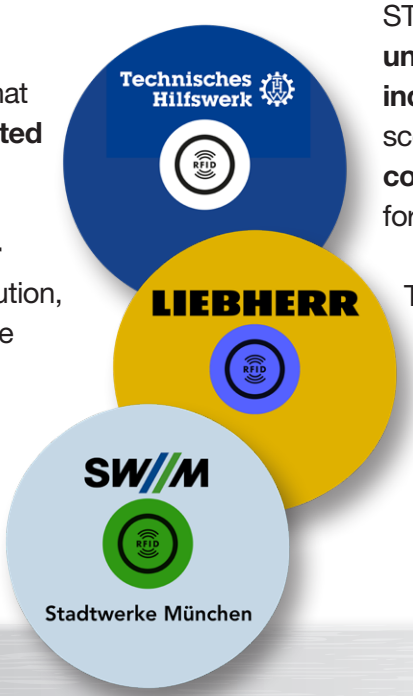
Load management made easy

With the **integrated load management**, all connected STROMAT-T are **dynamically controlled** in terms of their electrical output in such a way that the total mains connection is **distributed evenly** to all electric vehicles.

If an additional **central energy meter** is used in the central electrical distribution, the dynamic load management can be extended to the **entire building connection**.



For the demanding individualist

STROMAT-T impresses with a **unique front** that can be **printed individually**. This offers you a scope of **design options** for your **corporate design** or even just for your **dreams and desires** …

The **lage scale lighting** always shows you the **current state** of the charging system.

Technical data:

General

Plug type:
Type 2
Charging cable:
5/7.5/10 m
Charging current:
max. 63 A (adjustable)
Charging power:
max. 43 kW (adjustable)
Rules:
Mode 3, IEC 62196
DIN EN 61851-1

Dimensions

Width: 340 mm
Hight: 340 mm
Depth: 150 mm
Weight: 13.2 kg

Ambient conditions

Temperature range: -30..50 °C
Protection class: IP54

Electrical connection

3-phase: L1, L2, L3, N, PE
Power supply: 400 V, 50/60 Hz

Interfaces

Ethernet: 10/100 MBit
USB: 2.0
LTE modem (optionally)

Operation

Display: LED
Authentification: RFID
Settings: web browser

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