



# LOAD BALANCING

Load Balancing optimally distributes the available power capacity to each car and prevents your charging stations from exceeding your building's power capacity.

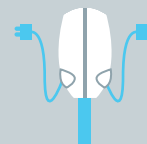
## SCENARIO

**BUILDING'S  
MAX CAPACITY**

**25 AMPS  
power capacity**



**CHARGING STATION  
WITH DUAL SOCKETS**



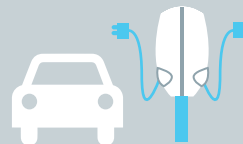
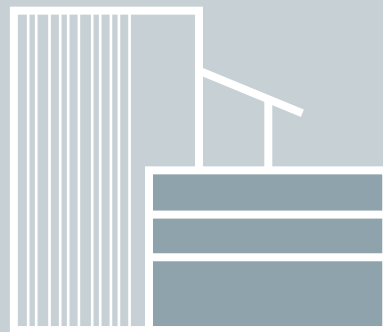
**32 AMPS  
power capacity**

## LOAD BALANCING IN ACTION



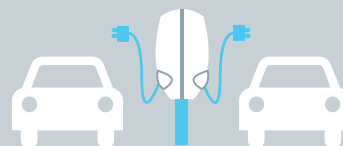
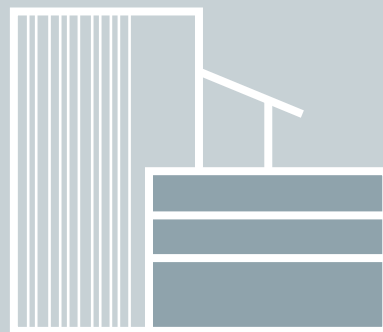
**9 AM**

**First car arrives.  
It starts charging  
at 25 Amps;  
the building's  
maximum capacity**



**11 AM**

**Second car arrives.  
The charging station  
now adapts its  
power distribution to  
12,5 Amps for each car.**



Load Balancing is one of EV-Box's "Smart Charging" services. These services optimize the charging infrastructure through using the available power flexibly and efficiently. Learn more about Smart Charging and how it benefits your business at [ev-box.com](https://www.ev-box.com)