

IT'S TIME TO TAKE CHARGE.

# GAIN POWER.

THE ONLY ELECTRIC CHARGER YOU NEED.



astrøea®

# 2050<sup>⚡</sup> Perspective

Now more than ever, finding alternative energy solutions is crucial for mankind. We challenge ourselves every day, by constantly innovating within our industry, only to create a sustainable future. A future built to last, like our solutions.

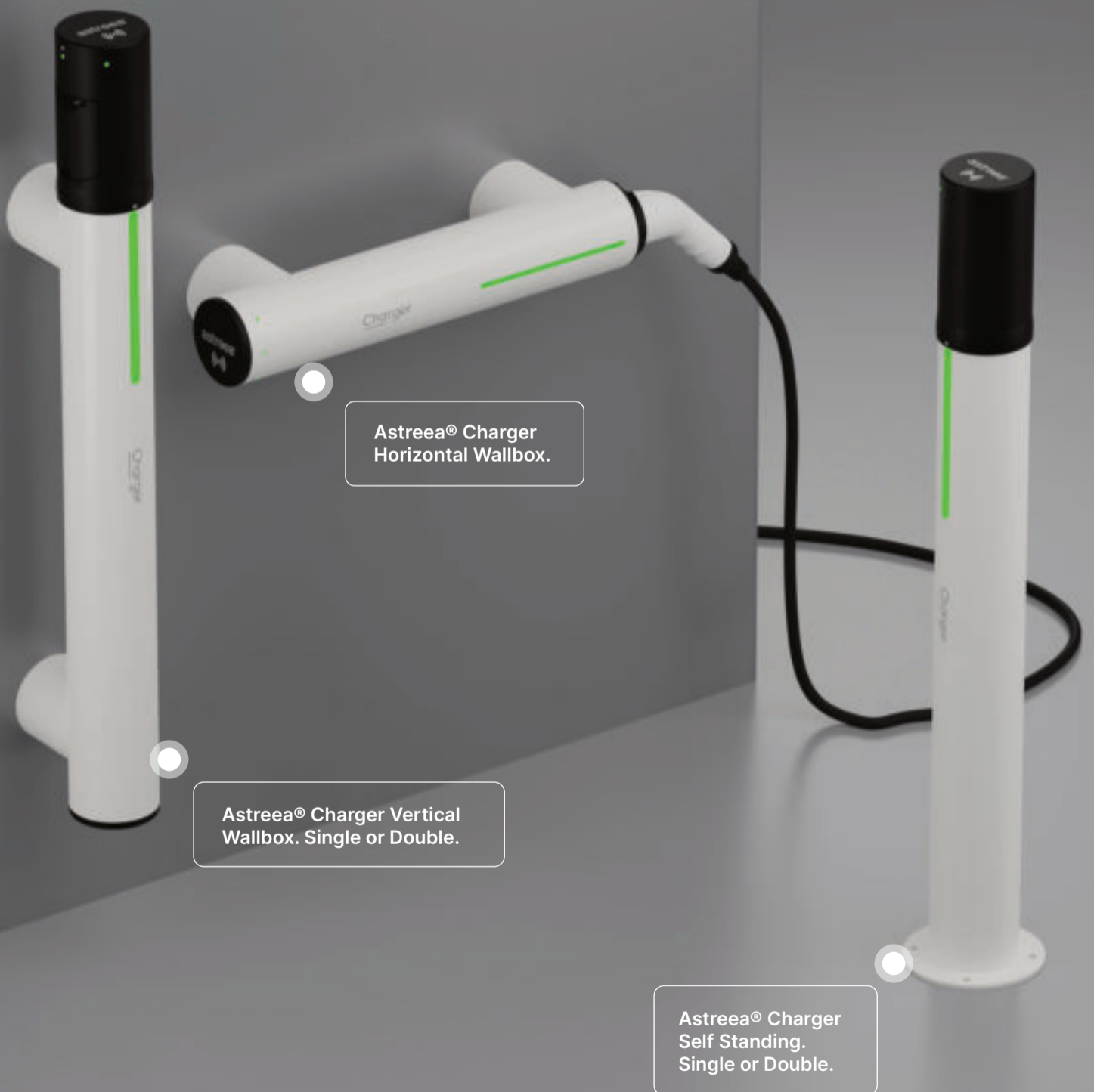
**Our mission: 1 billion tons CO<sup>2</sup> saved by 2050**



# Hi!

Introducing the future of electric charging stations.

**5 different models** serving one purpose:  
making e-charging the coolest thing there is.  
Anytime. Anywhere.



Astreea® Charger  
Horizontal Wallbox.

Astreea® Charger Vertical  
Wallbox. Single or Double.

Astreea® Charger  
Self Standing.  
Single or Double.

# Self Standing Charger



|                                |  |
|--------------------------------|--|
| <b>Manufacturer</b>            | Astreea®   |
| <b>Model</b>                   | ACS111 (22KW) / ACS121 (2 × 22KW)  |
| <b>In compliance with</b>      | Mode 3 charging, level 2,<br>IEC/EN 61851-1, EN<br>62311, EN 62479, IEC/EN<br>62955, VDE 0122-1  |
| <b>Input Voltage</b>           | 3Ph+N+PE 400V  |
| <b>Max. Input Current</b>      | 32A  |
| <b>User Selectable</b>         | 10,16,20,25,32A  |
| <b>Max. Output Power</b>       | 22KW   |
| <b>Output Connection</b>       | Type 2 Charging Socket   |
| <b>Operation Temp.</b>         | -30°C to 50°C  |
| <b>Humidity</b>                | 5% - 95% without<br>condensation   |
| <b>Protection Class</b>        | IP54   |
| <b>Mechanical Protection</b>   | IK10   |
| <b>Electrical Protections</b>  | External type A RCBO<br>required, overcurrent,<br>overvoltage, undervoltage,<br>ground fault including DC<br>residual current protection,<br>external surge protection |
| <b>Power Unit</b>              | ABB  |
| <b>Status Indication</b>       | Dynamic RGBW led<br>fully configurable   |
| <b>Protocols</b>               | OCPP 2.0, ModBus TCP, BacNet,<br>MQTT, Wi-Fi   |
| <b>Software</b>                | Apple iOS and Android mobile<br>devices app, cloud support   |
| <b>Dimensions 22KW (HxD)</b>   | 1091.5mm x Ø114mm<br>42.97in x Ø4.48in   |
| <b>Dimensions 2×22KW (HxD)</b> | 1221mm x Ø114mm<br>48.09in x Ø4.48in   |
| <b>Base Diameter</b>           | Ø174mm / Ø0.685in  |



# Self-Standing Charger Features

Find the solution that best fits your need.



Single or Double Socket



iOS and Android App  
for full control

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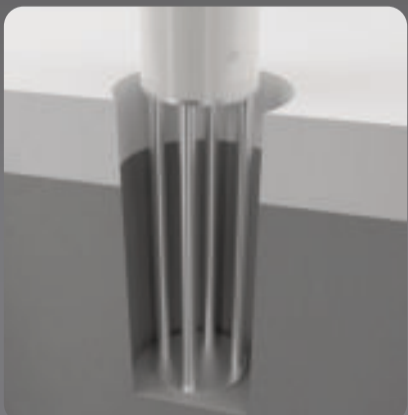
## Astreea Charger Accessories



Charging Cables  
4m to 8m (157in to 314in)



Astreea® Smart  
Billing Meter



Ground Fixture



Anti-theft bolts  
M8 countersunk head  
floor dowels for  
concrete





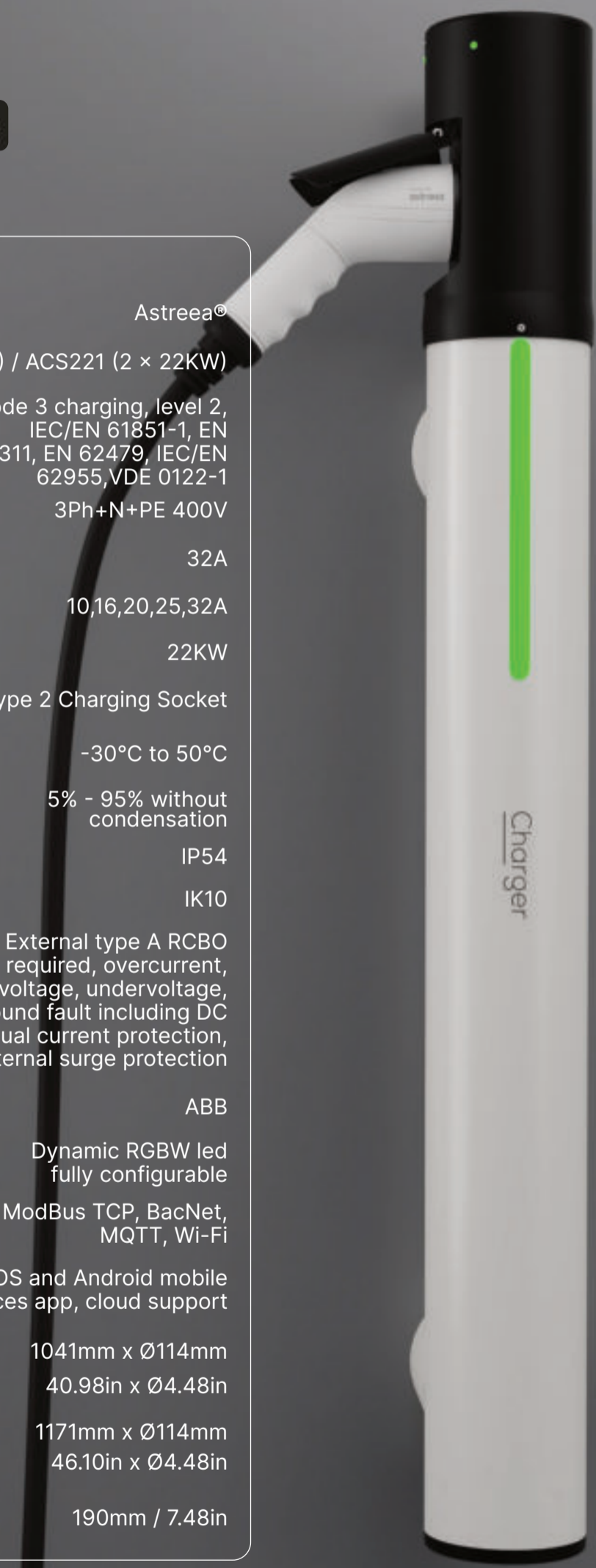




# Wallbox Charger



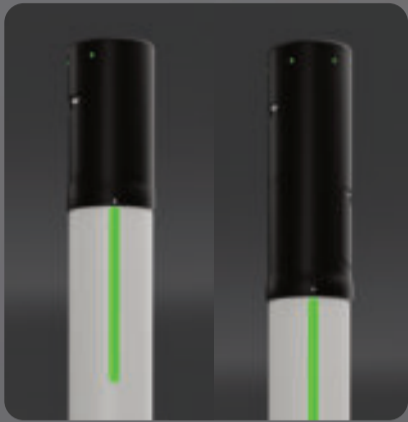
|                                |   |
|--------------------------------|---|
| <b>Manufacturer</b>            | Astreea®  |
| <b>Model</b>                   | ACS211 (22KW) / ACS221 (2 × 22KW)   |
| <b>In compliance with</b>      | Mode 3 charging, level 2, IEC/EN 61851-1, EN 62311, EN 62479, IEC/EN 62955, VDE 0122-1  |
| <b>Input Voltage</b>           | 3Ph+N+PE 400V   |
| <b>Max. Input Current</b>      | 32A   |
| <b>User Selectable</b>         | 10,16,20,25,32A   |
| <b>Max. Output Power</b>       | 22KW  |
| <b>Output Connection</b>       | Type 2 Charging Socket  |
| <b>Operation Temp.</b>         | -30°C to 50°C   |
| <b>Humidity</b>                | 5% - 95% without condensation   |
| <b>Protection Class</b>        | IP54  |
| <b>Mechanical Protection</b>   | IK10  |
| <b>Electrical Protections</b>  | External type A RCBO required, overcurrent, overvoltage, undervoltage, ground fault including DC residual current protection, external surge protection |
| <b>Power Unit</b>              | ABB   |
| <b>Status Indication</b>       | Dynamic RGBW led fully configurable   |
| <b>Protocols</b>               | OCPP 2.0, ModBus TCP, BacNet, MQTT, Wi-Fi   |
| <b>Software</b>                | Apple iOS and Android mobile devices app, cloud support   |
| <b>Dimensions 22KW (HxD)</b>   | 1041mm x Ø114mm<br>40.98in x Ø4.48in  |
| <b>Dimensions 2×22KW (HxD)</b> | 1171mm x Ø114mm<br>46.10in x Ø4.48in  |
| <b>Distance from the wall</b>  | 190mm / 7.48in  |





# Wallbox Charger Features

Choose the wallbox that best fits your need. You can select our Astreea® vertical wallbox with single or double socket.



Single or Double Socket



iOS and Android App for full control



## Astreea Charger Accessories



Charging Cables  
4m to 8m (157in to 314in)



Astreea® Smart Billing Meter



Holder Cables

astrøea®

Charger



NFC Access

# The brain behind it all



Astreea® patented Magic Power Box



Medical grade stainless steel body.



Powder coated\* body. Infinite branding possibilities.

\*standard paint is white



Endless installation possibilities.



MAGIC POWER BOX

astreea®



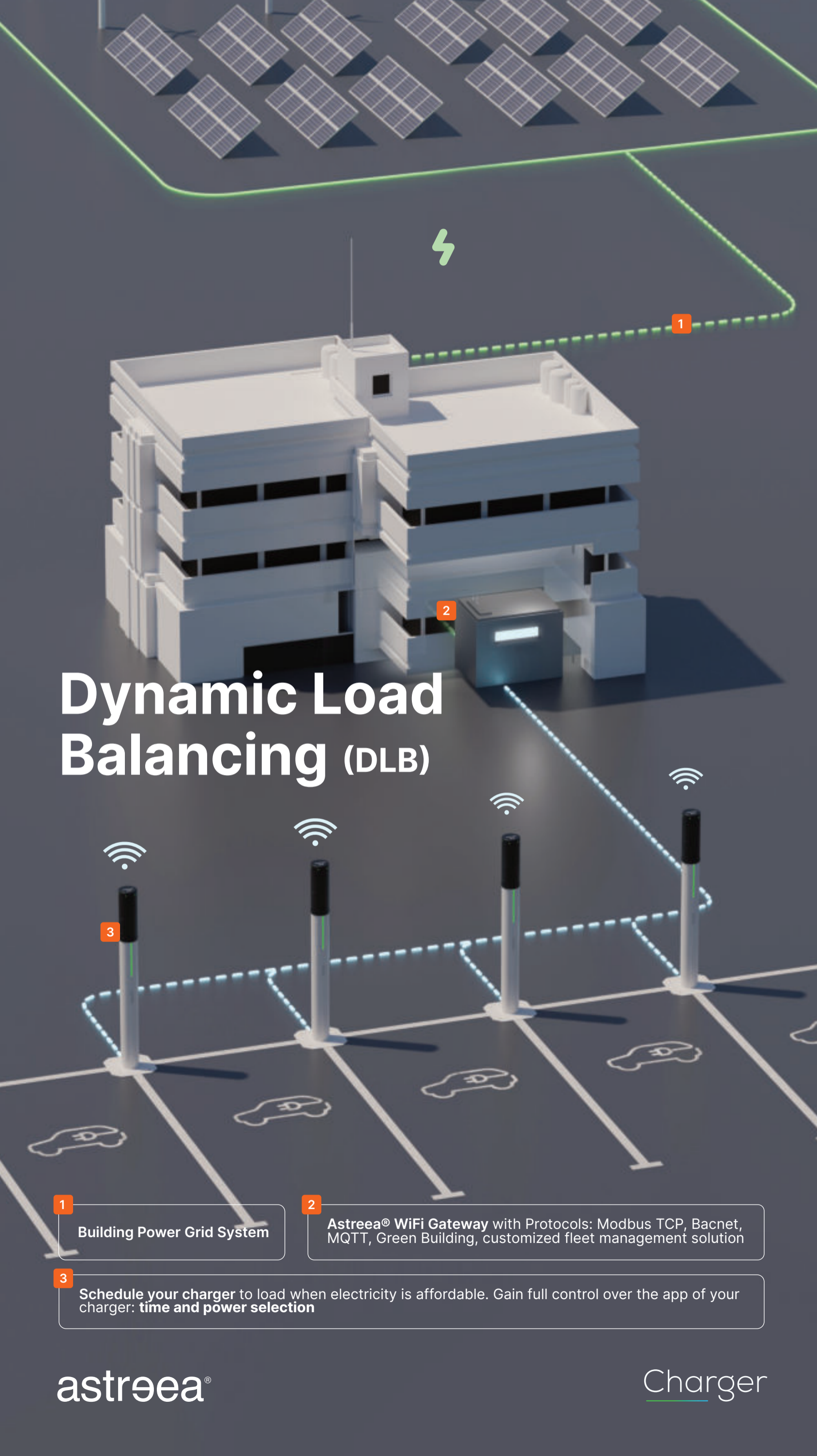
Astreea® Smart Billing Meter



Charger

astreea®





# Dynamic Load Balancing (DLB)

**1** Building Power Grid System

**2** Astreea® WiFi Gateway with Protocols: Modbus TCP, Bacnet, MQTT, Green Building, customized fleet management solution

**3** Schedule your charger to load when electricity is affordable. Gain full control over the app of your charger: **time and power selection**



astrøea®

Charger

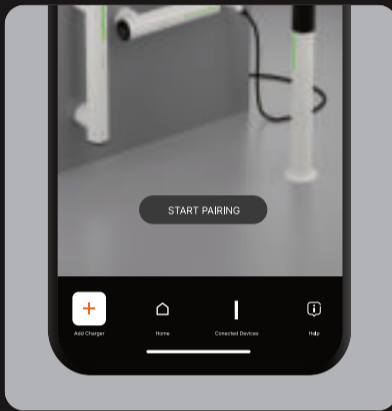
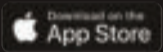


# Smartest charger you have ever seen.

The Astreea® Chargers IoT Cloud solution Comes standard with the Astreea® App.



Download and Sign Up



Start Pairing




Connect your charger



**Astreea® Backoffice Portal**  
Manage and monitor chargers, users and configure prices

OCPP compliant




Support for OCPP Smart Charging

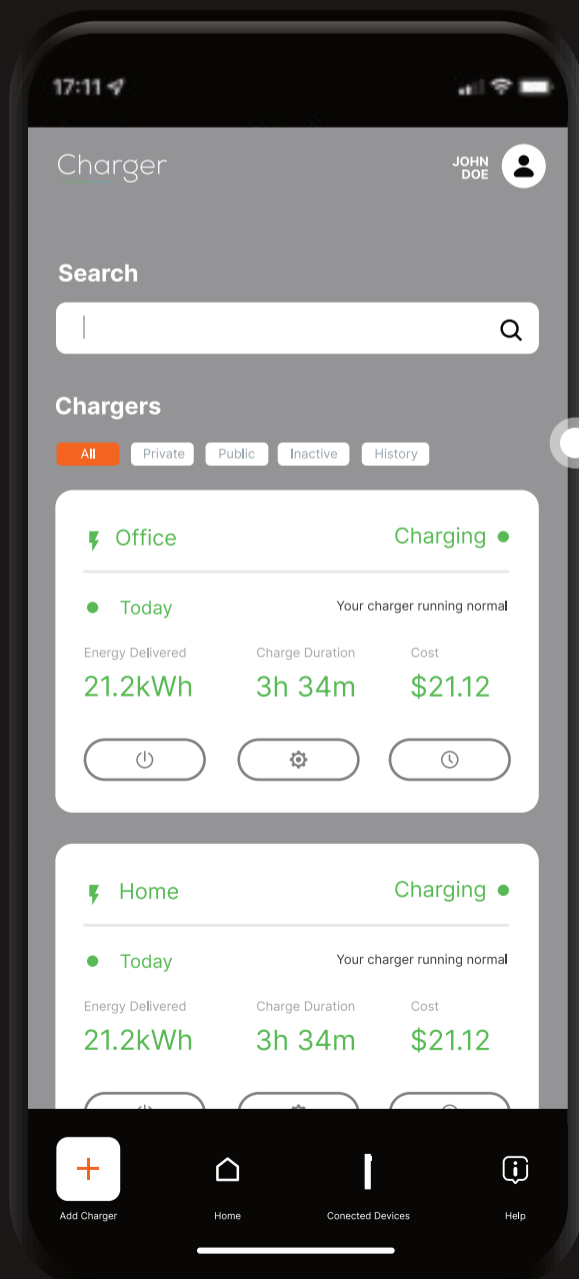
User adjustable charger current: 6 A to 32 A

Automatic charging restart in the event of a blackout

Home Assistant plug and play



Tap and Charge



Monitor Chargers in realtime

Scheduled charging time

# In need for a large fleet of chargers?

Then it's time to upgrade to our professional solution.



Identify available chargers near you

**Astreea Backoffice Portal**

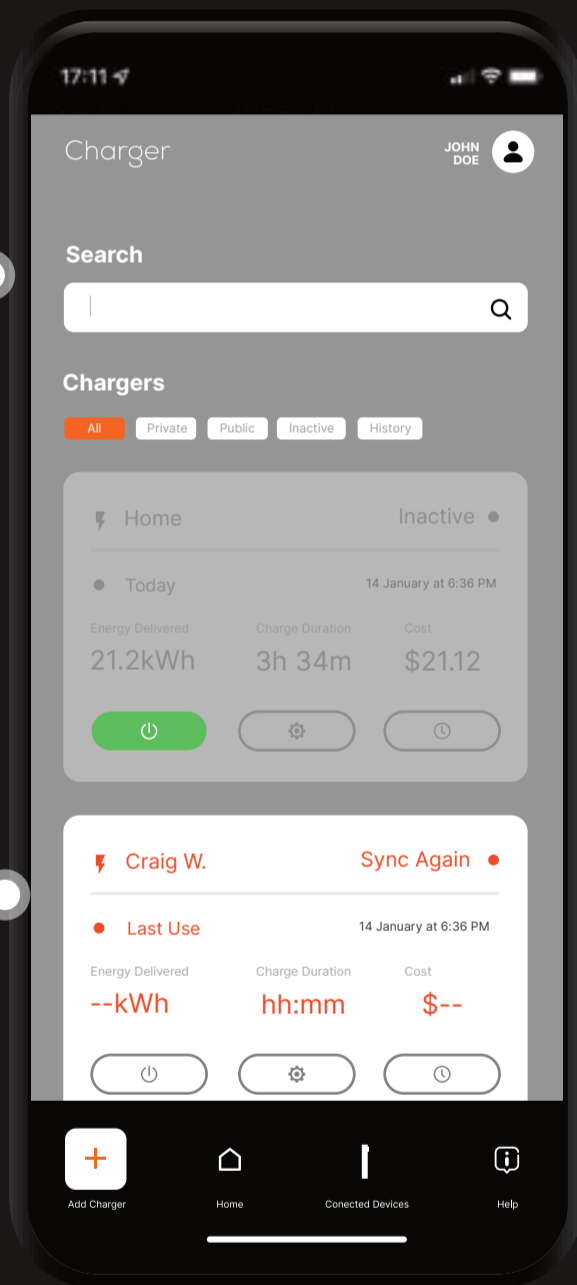
**Charge and billing analytics** and reporting

**Load Management** with dynamic load balancing, vehicle prioritization, peak shaving

On demand custom integration with **enterprise business system** (for integrated authentication, reporting and billing purpose)




Charging history and analytics




**Charger Firmware**

Certified for full OCPP compliance

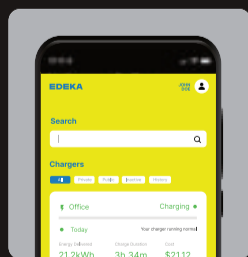


Azure IoT Hub compliant, MQTT support. Highly scalable, reliable, secure and cost efficient - cloud based solution



Over the air Automatic Firmware upgrade with 0 downtime

24/7 IT operations monitoring and technical support



Custom branding for App and Charger Station





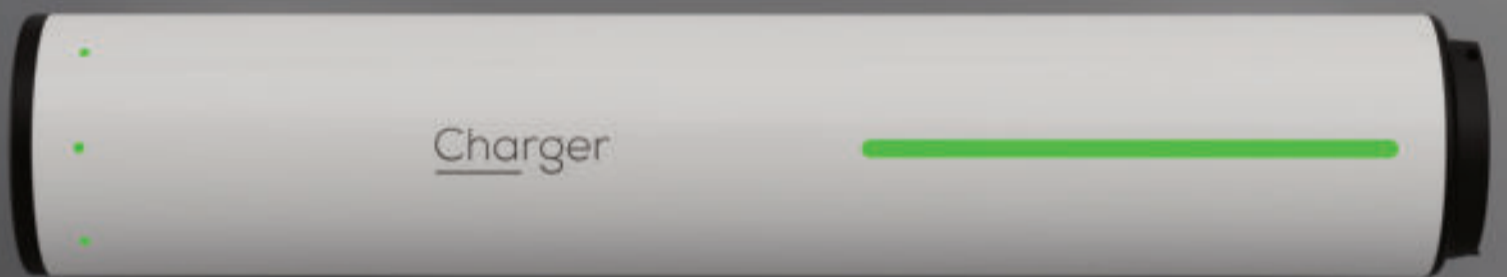
**Astreea Chargers and Astreea Software Solution are certified by the Open Charge Alliance**  
interoperability with chargers from other manufacturers

**Powered by Microsoft Azure IoT**



# *Simplicity is the ultimate sophistication*

- Leonardo da Vinci -



**Meet the Astreea<sup>®</sup> Horizontal Wallbox Charger.**

Our discreet single socket EV charger to  
blend in any environment.

|                | BASE | VERTICAL WALL | HORIZONTAL WALL |
|----------------|------|---------------|-----------------|
| 22KW           | ✓    | ✓             | ✓               |
| 2 X 22KW       | ✓    | ✓             | -               |
| Optional Cable | ✓    | ✓             | ✓               |
| Astreea Meter  | ✓    | ✓             | -               |
| Advance IoT    | ✓    | ✓             | -               |





astroëa®

Charger



# Charger