



# The new SUNNY TRIPOWER X

## Future solutions, pre-installed





# The new SUNNY TRIPOWER X.

The benefits at a glance.



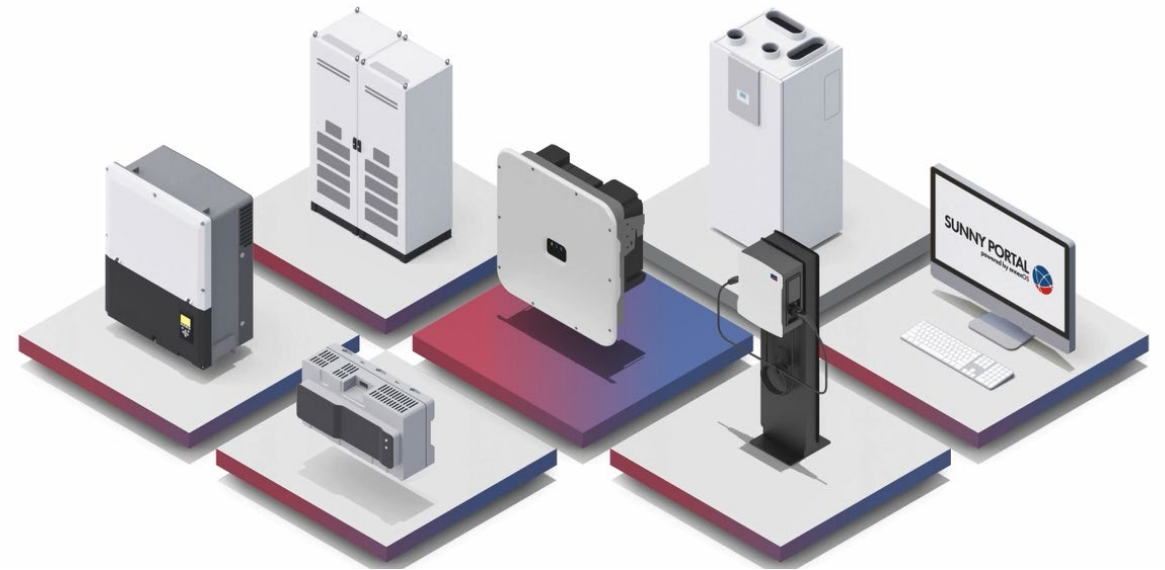
- **System integration**
  - New **centerpiece of proven SMA Energy System Business**
  - Seamless integration in overall system
- **Intelligence pre-installed**
  - Now: **System Manager integrated** and **modular design** allowing future energy management functions
  - Maximum yield thanks to **SMA ShadeFix** and **Smart Connected**
- **Maximum flexibility**
  - **3 MPP trackers** for flexible system design
  - Digital inputs and multifunction relay

# System integration

Easy integration of future use cases.



- The new centerpiece of the **SMA Energy System**
- Integrated in overall energy system by means of **integrated System Manager** (or SMA Data Manager M or Sunny Home Manager 2.0)
- Compatible with existing systems
- **Central parameterization, commissioning and monitoring of the system**
- Unified web interface



# Intelligence pre-installed

Not only inverter, but also system manager.



- Now with **integrated system manager**
  - Management of up to 5 additional inverters (up to 135kVA) and one energy meter
  - Direct access to Sunny Portal powered by ennexOS
  - More efficient monitoring in the portal thanks to grouping of systems
- **SMA Dynamic Power Control**
  - Dynamic closed-loop control of active and reactive power
- SMA **ShadeFix**
- SMA **Smart Connected**
- Fast in-app commissioning via Wi-Fi and Ethernet

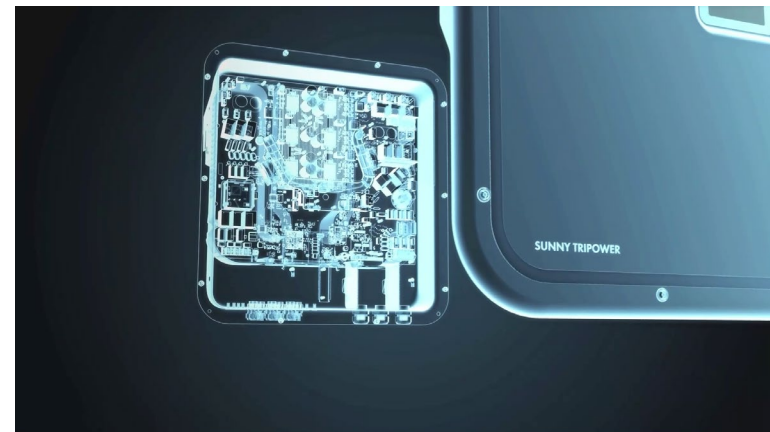


# Maximum flexibility

All-in-one solution – can be adapted to any type of installation.

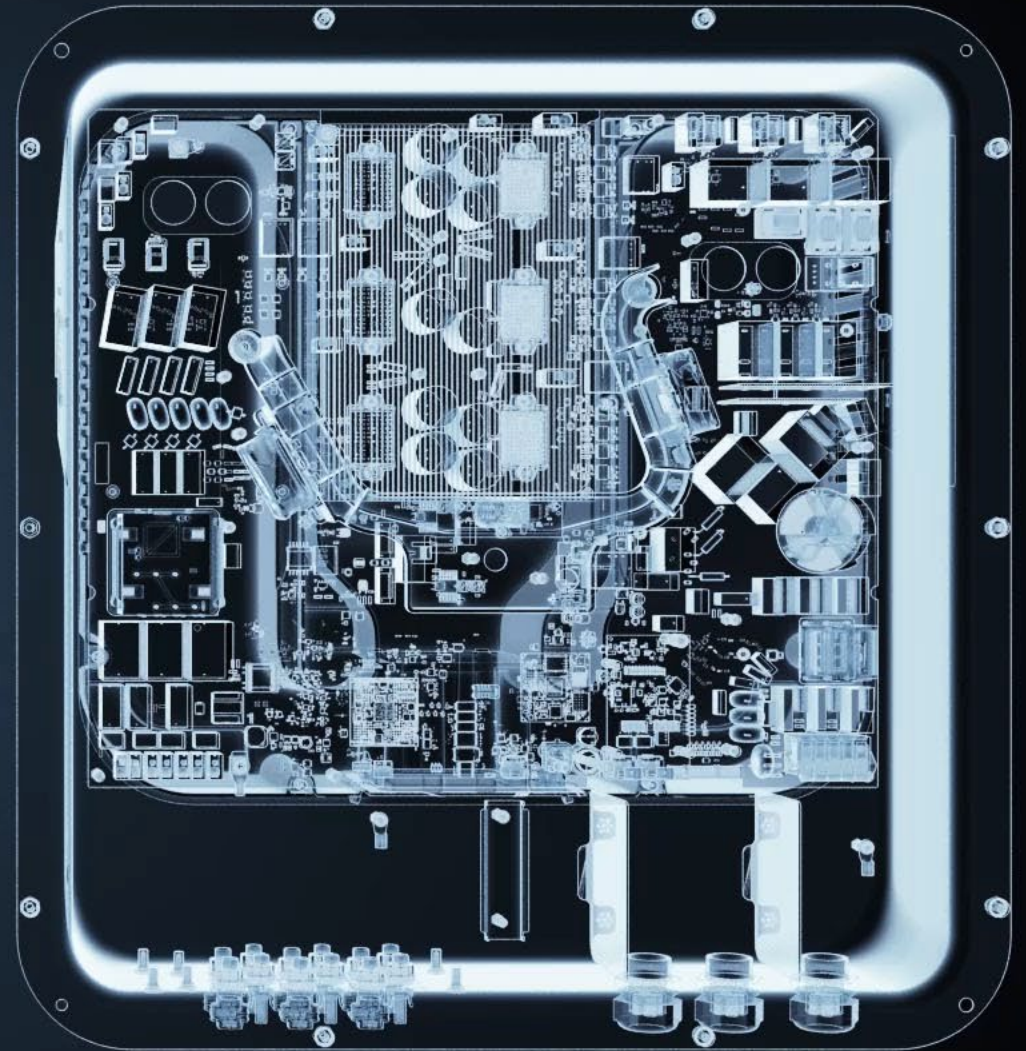


- **3 MPP trackers** to cover all possible scenarios
- **Wide range of four power classes** (12/15/20/25 kW)
- Up to **150% oversizing** of PV array
- **ArcFix** (AFCI) for increased system safety
- Can be used flexibly in **home or business applications**
- **Digital inputs** and **multifunction relay**
- **Integrated I-V curve diagnostics** for easily detecting yield loss



The new design of the Sunny Tripower X.  
Long lifetime thanks to efficient cooling.

- **Improved protection** for heat-sensitive electronic components thanks to spacious design
- **Improved ventilation** in the inverter secures the lifetime of the parts
- From a background of **40 years** of experience as a PV pioneer
- **Made in Germany**





# E-Mobility at Home

Refuel with solar power





# SMA EV Charger 7.4/22

## The benefits at a glance

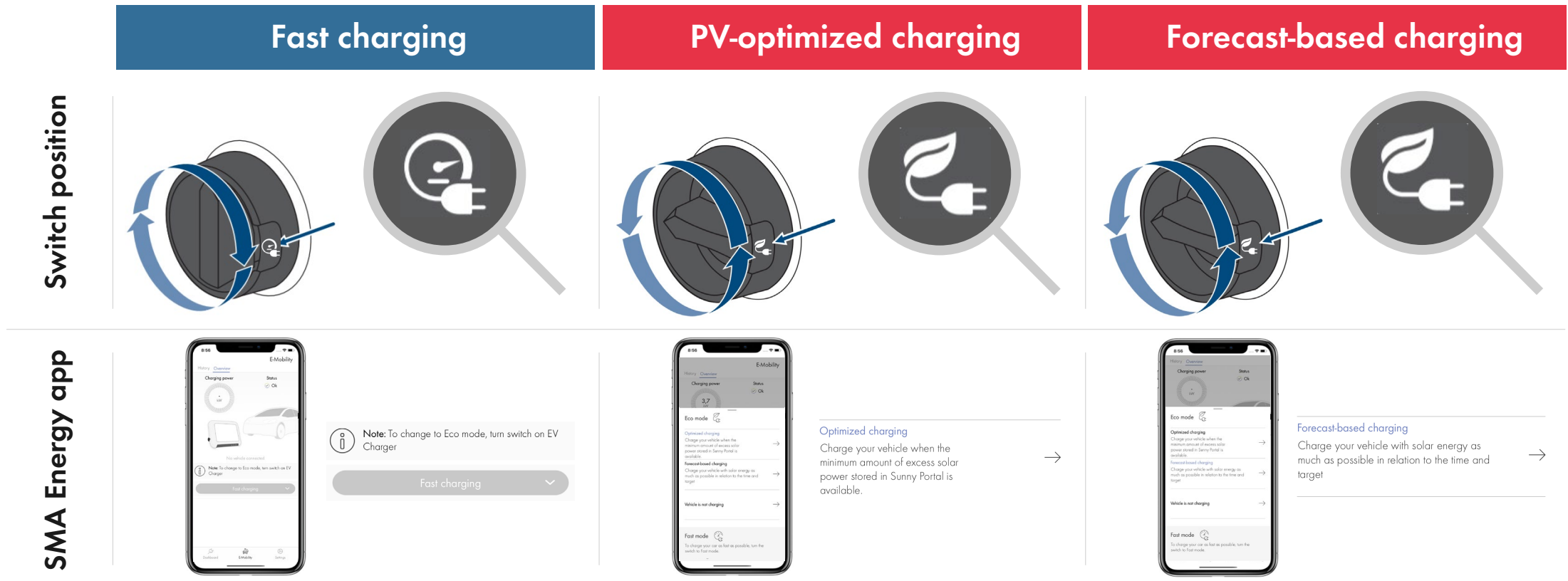
- Intelligent charging modes (fast, PV-optimized, forecast-based)
- Boost function
- Blackout protection
- Automatic phase-switching\*
- Grid operator interface
- Charging mode selected via rotary switch or app
- Monitoring via SMA Energy app
- SMA Smart Connected



\* Only applies to EVC22-3AC-10

\*\* Power can be permanently limited to 11 kW (manufacturer's declaration)

# 2 switch positions, 3 charging modes



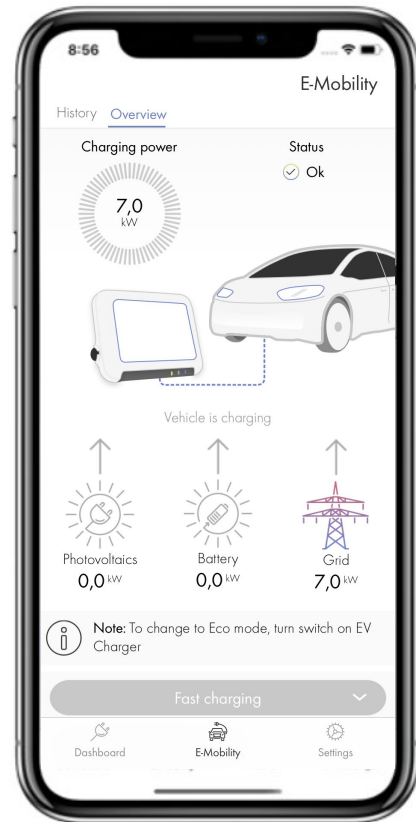


# Fast, green, cost-effective Intelligent charging modes

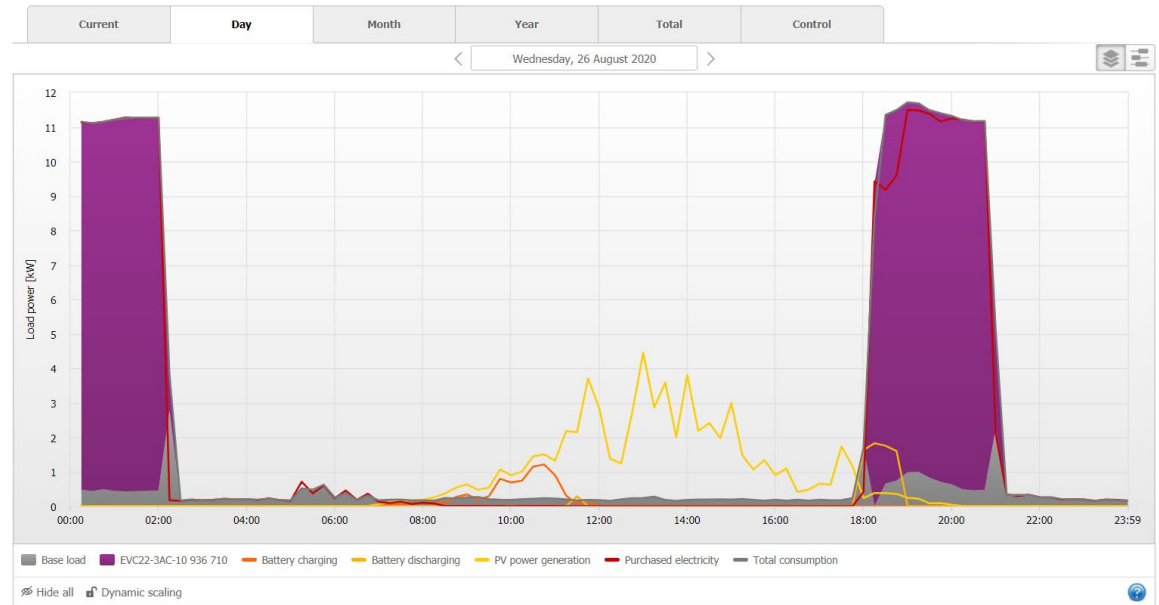


## Fast charging

When you are in a hurry, the SMA EV Charger enables charging with the maximum available charging power up to ten times faster than with a conventional household socket\* – whether from the utility grid or PV power.



\* EVC22-3AC-10



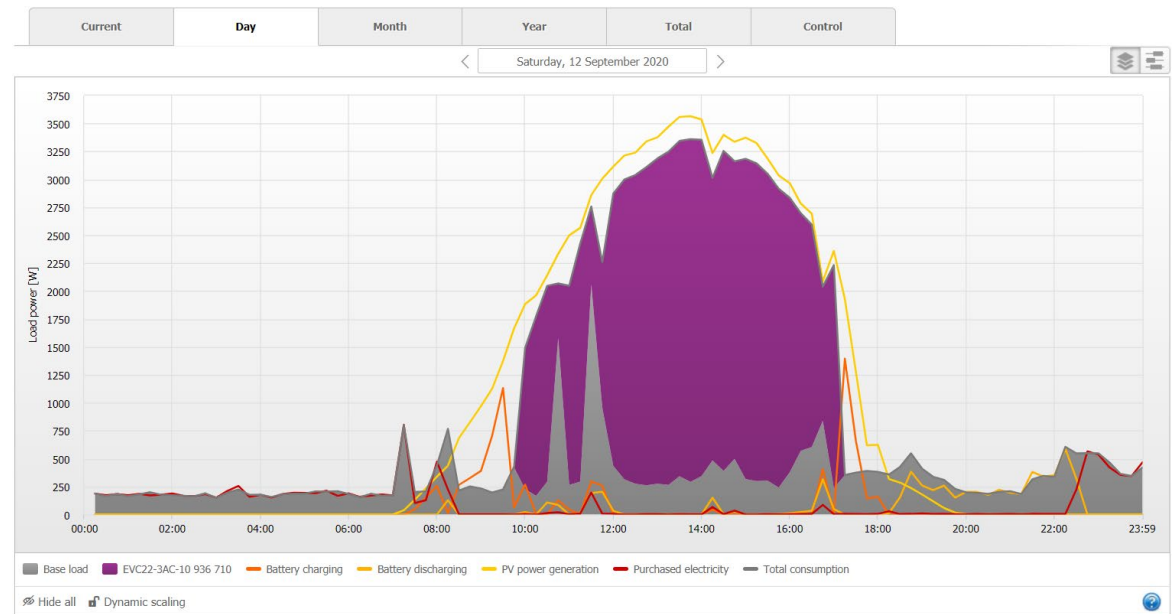
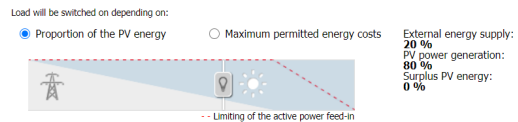


# Fast, green, cost-effective Intelligent charging modes



## PV-optimized charging


If you have time to spare, the SMA EV Charger enables cost-effective, CO2-neutral charging with PV current for zero-emissions driving at minimum cost. The minimum share of PV energy can be configured in the Sunny Portal:



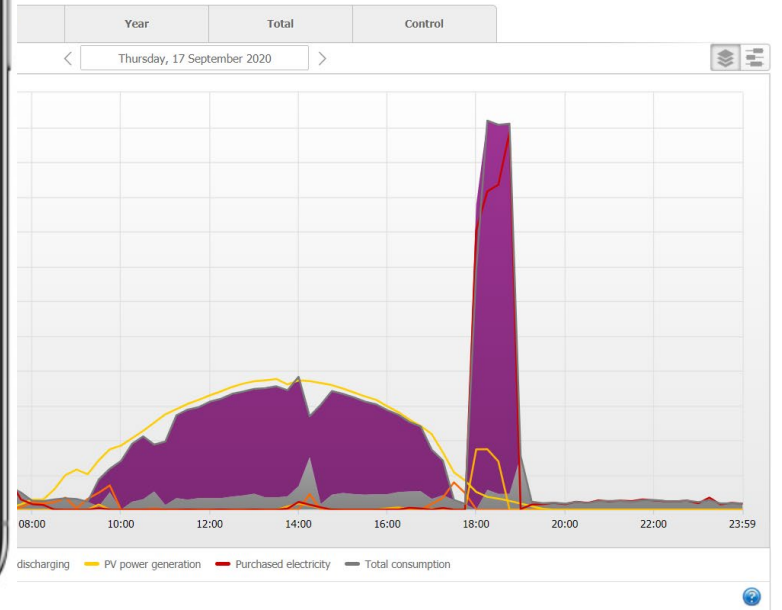
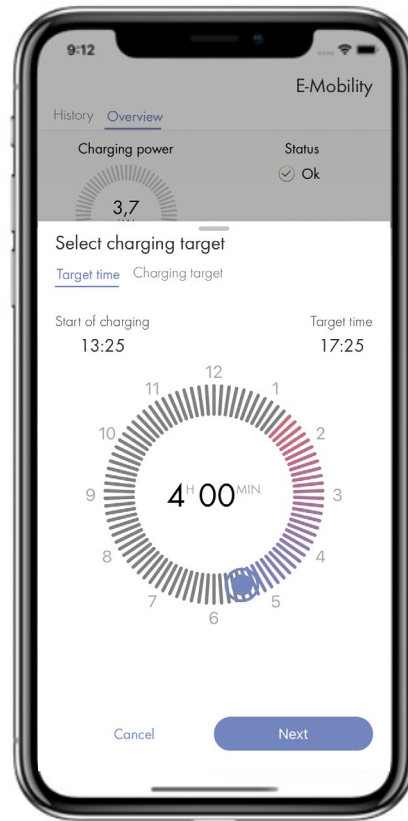
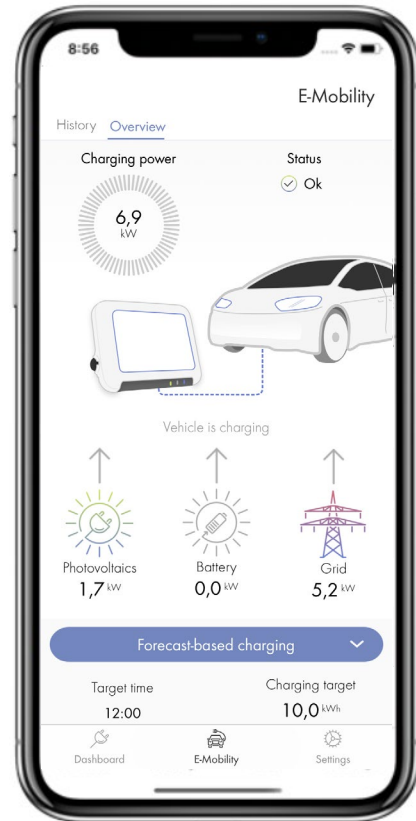


# Fast, green, cost-effective Intelligent charging modes



**Forecast-based charging** 

When you enter a charging target (departure time, amount of electricity to be charged) in the SMA Energy app, the Sunny Home Manager 2.0 intelligently schedules charging and performs it at minimum cost while ensuring that your car will be ready when you need it.



The text "Q&A" is overlaid on the left side of the image. It is rendered in a large, white, bold, sans-serif font. The background of the entire slide is a photograph of a lush green meadow with various wildflowers, including yellow and purple ones, under a soft, golden light from a low sun behind trees on the left.