

THE 3-PHASE SOLUTION

NOW WITH AC CHARGER



BEYOND EASY

One manufacturer, one point of contact for the whole system: warranty, service...



BEYOND FLEXIBLE

You can choose between four different modes to fit your current charging need



BEYOND CONVENIENT

All devices and data fully integrated in our monitoring platform: iSolarCloud.

THE AC CHARGER

4 DIFFERENT CHARGING MODES TO FIT ALL NEEDS

1 ECO CHARGING

For most economical charging: Maximized self-consumption by increased charging power when renewable energy is available. Thanks to integrated automatic 1/3-phase switching, the car can be charged already with 1.38 kW PV Surplus.

2 FAST CHARGING

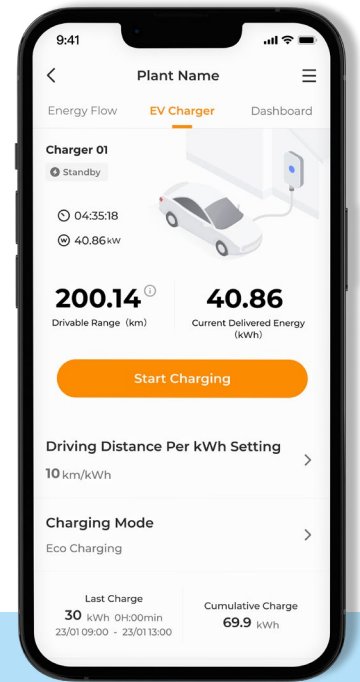
Maximum speed: Charging at 11 kW AC power no matter if coming from renewables or the grid. This mode allows to achieve the shortest charging time.

3 SCHEDULED CHARGING

Individualized to the max: Select the time range when charging is allowed. For example, charging will only work between 12 PM and 6 PM even if the car is plugged in before.

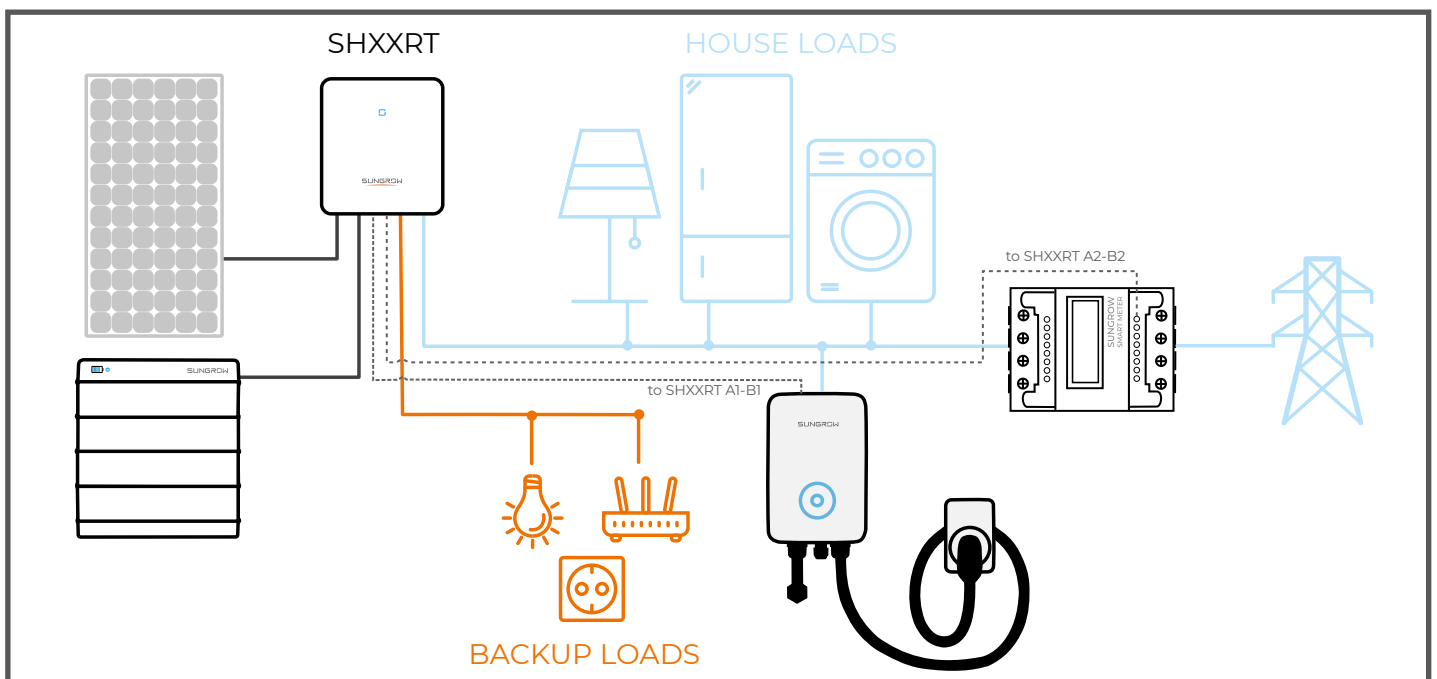
4 CUSTOMIZED CHARGING

Always ready: Based on a preset amount of kWh and a desired pickup time, the EV charger creates the perfect charging mix. Making sure the vehicle is ready at the desired time, but using as much renewable energy as possible.



Live monitoring of the charging status in iSolarCloud.

3 DEVICES - 1 SOLUTION



ASK OUR SPECIALIST



Tobias Zimmermann
Product Manager
EV Charging & Residential ESS

1

Which inverters is the AC Charger compatible with?

Sungrow's AC Charger is part of the 3-phase Solution, meaning it's compatible only with SH5.0-10RT. For now, only one Hybrid can be connected with one AC Charger. With retrofitting, an already installed PV inverter SG5.0-12RT can be used together with Sungrow's Hybrid and AC Charger.

2

How does the automatic phase switching work?

The AC Charger needs available power of 1.38 kW as minimum value to start the 1-phase charging process. As soon as the PV power increases up to 4.14 kW, and remains for 30 minutes constantly, it will then switch to 3-phase charging.

3

Is it possible to charge the EV only with PV surplus?

Yes, in the iSolarCloud App you can enable or disable the provided power from the grid in the Pure Green Power charging mode. In case the function is turned off (purchased energy disabled) and the available power (PV Surplus minus house loads) is less than 1.38 kW, the AC Charger will not start charging.

4

Can the AC Charger be used as a standalone product?

Yes, the AC Charger has its own App "iEnergyCharge" and can be setup to work as a standalone product, with scheduling function & power limitation function. Sungrow's Hybrid + Battery can be added at any time to get the full benefits of renewables integration with Sungrow's monitoring platform iSolarCloud.

5

Does the AC Charger support MID meter and billing?

The Sungrow AC Charger has no MID meter integrated and cannot provide compliant company billing capability. This feature may be developed for a future generation.

6

What are the warranty terms for the 3-phase Solution?

The 3-phase Hybrid and the Battery come with 10 years of warranty. The EV Charger can be purchased with 5 years of warranty.

7

Where can user manuals and certifications of this product be found?

The user manual and the certifications for the AC Charger can be found on our product page [here](#).