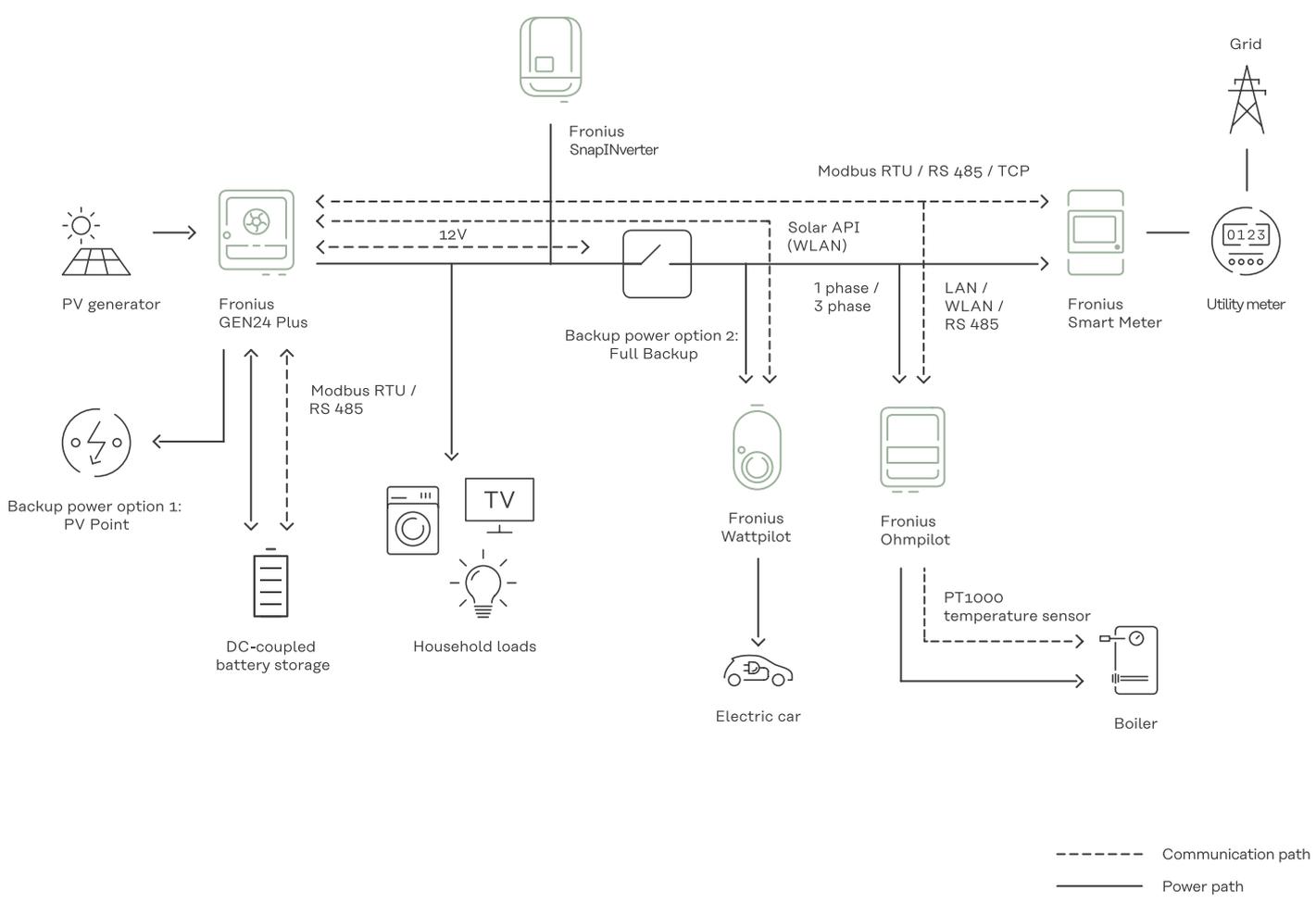




Fronius sector coupling solution

With Fronius GEN24 Plus, compatible battery storage systems, Fronius Wattpilot, Fronius Ohmpilot and Fronius Smart Meter



All benefits
at a glance

- 01 Maximum utilization of PV energy
- 02 Independence from rising electricity prices
- 03 Perfectly integrated system
- 04 Smart energy management
- 05 Demand-based backup power variants
- 06 Comprehensive graphic visualization in Solar.web

What is needed for implementation?

| Device | Type | Notes |
|-------------------------------------|---|---|
| Fronius Inverter | Fronius Primo/Symo GEN24 | A GEN24 Plus is required for battery operation and Full Backup operation |
| | Fronius Primo/Symo GEN24 Plus | |
| | optional: Fronius SnapINverter Primo/Symo/Symo Advanced Eco with Datamanager 2.0 | No data line to the Fronius GEN24 Plus required. Components only need to be added to the same Solar.web system. Battery charging only possible via GEN24 Plus. "Allow battery charging from other generators in the home network" must be activated on the GEN24 Plus user interface. |
| Battery storage | Option 1: BYD Battery-Box Premium HVS/HVM | Types compatible with BYD Battery-Box Premium HVS: HVS 5.1 / HVS 7.7 / HVS 10.2 Types compatible with BYD Battery-Box Premium HVM: HVM 11.0 / HVM 13.8 / HVM 16.6 / HVM 19.3 / HVM 22.1 Compatibility of the individual storage types differ for Fronius Primo and Symo GEN24 Plus! |
| | Option 2: LG FLEX | Compatible types of LG FLEX: 8.6 / 12.9 / 17.2 Compatibility of the individual storage types differ for Fronius Primo and Symo GEN24 Plus! |
| Charging solution for electric cars | Fronius Watto Pilot Go | Mobile version for charging on the road |
| | Fronius Watto Pilot Home | Stationary charging solution for the home |
| Heating solution | Fronius Ohmpilot 9.0-3 | Management of ohmic loads (heating elements, infrared panels, etc.) Infinitely variable control from 0-9 kW Combinable with heat pump |
| | Heating element: 1-phase up to max. 3 kW 3-phase up to max. 9 kW | Neutral conductor must always be installed |
| | Recommended: PT 1000 temperature sensor | Option to set the minimum or setpoint temperature Optimum use of surpluses only possible with PT1000 |
| Energy meter | Fronius Smart Meter 63A-1, 63A-3, 50kA-3 | Current transformers with an output current of 5 A must be used for the Fronius Smart Meter 50kA-3 |
| | Fronius Smart Meter TS 100A-1, TS 65A-3, TS 5kA-3 | Current transformers with an output current of 5 A must be used for the Fronius Smart Meter TS 5kA-3 |
| | Smart Meter IP | Current transformers with an output voltage of 333 mV must be used for the Smart Meter IP |



You can find detailed information on our heating, e-mobility and battery storage solutions [here](#).

Backup power options

| Device | Type | Notes |
|------------------------|---------------------|---|
| Backup power variants* | PV Point (on board) | Socket supplied during backup power operation Single-phase power up to 3 kW Optional battery storage Fuse protection with 30 mA type A RCD required |
| | PV Point Comfort | Continuously supplied socket (backup power supply and parallel grid operation) Single-phase power up to 3 kW Optional battery storage Fuse protection with 30 mA type A RCD and 13 A line protection required |
| | Full Backup** | Backup power supplies the entire household when needed (1-phase and 3-phase) Manual or automatic changeover possible Battery storage required Additional contactors for switchover or auxiliary relays are required*** |

* Only one backup power variant can be implemented.

** The Full Backup option is not available for the Fronius Symo GEN24 3.0 - 5.0 Plus.

*** The requirements for this switchover vary from country to country – please contact your grid operator.

The complete energy system from a single source

The Anzi family in the German state of Bavaria carefully planned both their house and their energy supply. Before building their home, the family of three had already decided they wanted to run their household sustainably and conserve resources by primarily using solar power. Achieving independence from possible price increases in the electricity and gas sectors was an especially high priority. So Antje and Ralf Anzi planned their PV system on the roof at the same time as all the other energy components – using only Fronius products and solutions. Thanks to their cutting-edge energy system, the Anzi family is now completely energy self-sufficient during the sunny months from March to September.

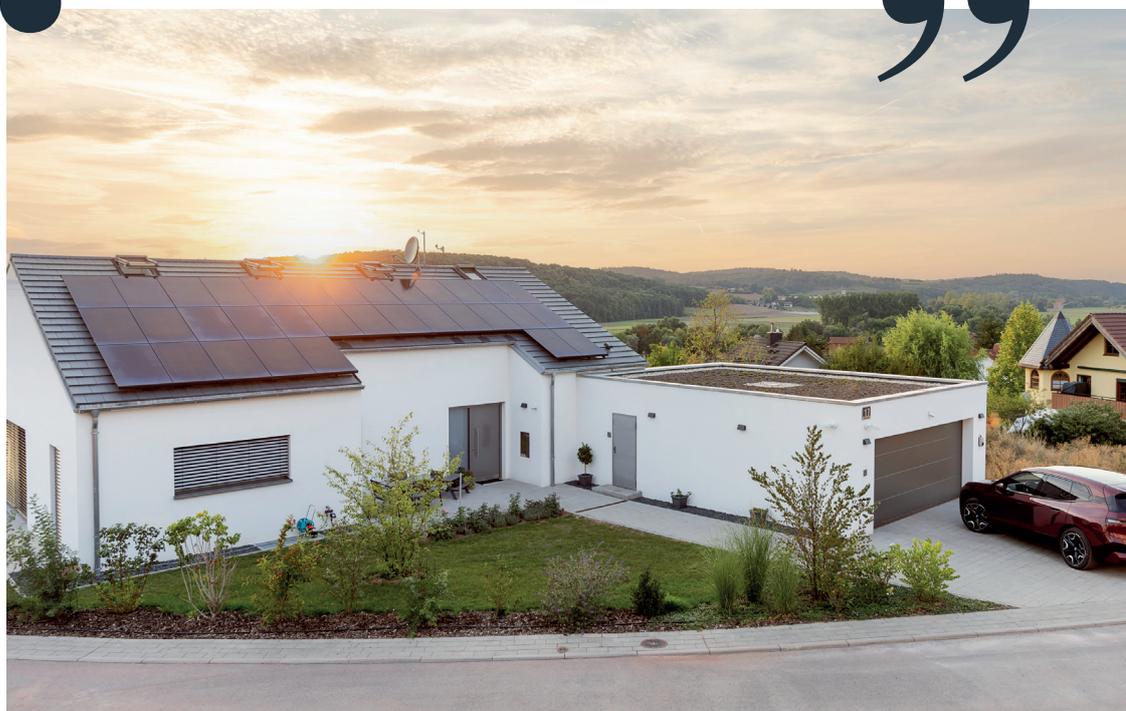
“

The decision was made in favor of Fronius because we can get all components from one source here. With the complete package for electricity, heating, and mobility, we can cover everything.

”



Go to reference



Monitoring & Digital Tools.

The right digital tool for every phase of the PV system.

From the planning to commissioning phase and from monitoring to service – we support you as an installer with your work so you can provide your customers with the best possible advice and support at all times. And we make sure our support is exceptionally user-friendly, detailed and reliable:

Planning

If you are planning a new project, **Fronius Solar.creator** is your tool of choice. With this **free on-line configuration tool**, you can plan completely independently of location, design the PV system in just a few steps, and use it as a **consultation tool** with your customer. If an existing system needs to be extended with battery storage or the like, the effects can be simulated in advance with **Fronius Solar.web**.

Commissioning

Fronius Solar.start makes system installation more efficient than ever. The app guides you through the setup of Fronius devices in **3 steps** and turns **commissioning**, including configuration, into a simple process that takes only a few minutes.

Monitoring

Once the PV system is successfully in operation, the energy utilization begins – but so does the **system optimization via monitoring**. With **Fronius Solar.web**, we provide you with the best tool for doing this. It allows you to keep a reliable overview of all the PV systems you manage, so you can effectively increase their performance based on data.

Service

Fronius Solar.SOS supports you in **diagnosing and rectifying faults** and in ordering the correct replacement components. And it does this around the clock, regardless of the standard service times, and in the local language.

Any questions?



Here you will find our how-to videos – know-how in a nutshell.



You can access recordings of our webinars here.