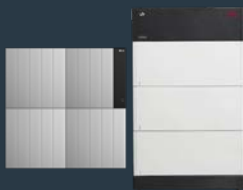


Fronius sector coupling solution

With Fronius GEN24 Plus¹, compatible battery storage², Fronius Wattpilot³, Fronius Ohmpilot⁴ and Fronius Smart Meter⁵



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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 / HVS 12.8 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

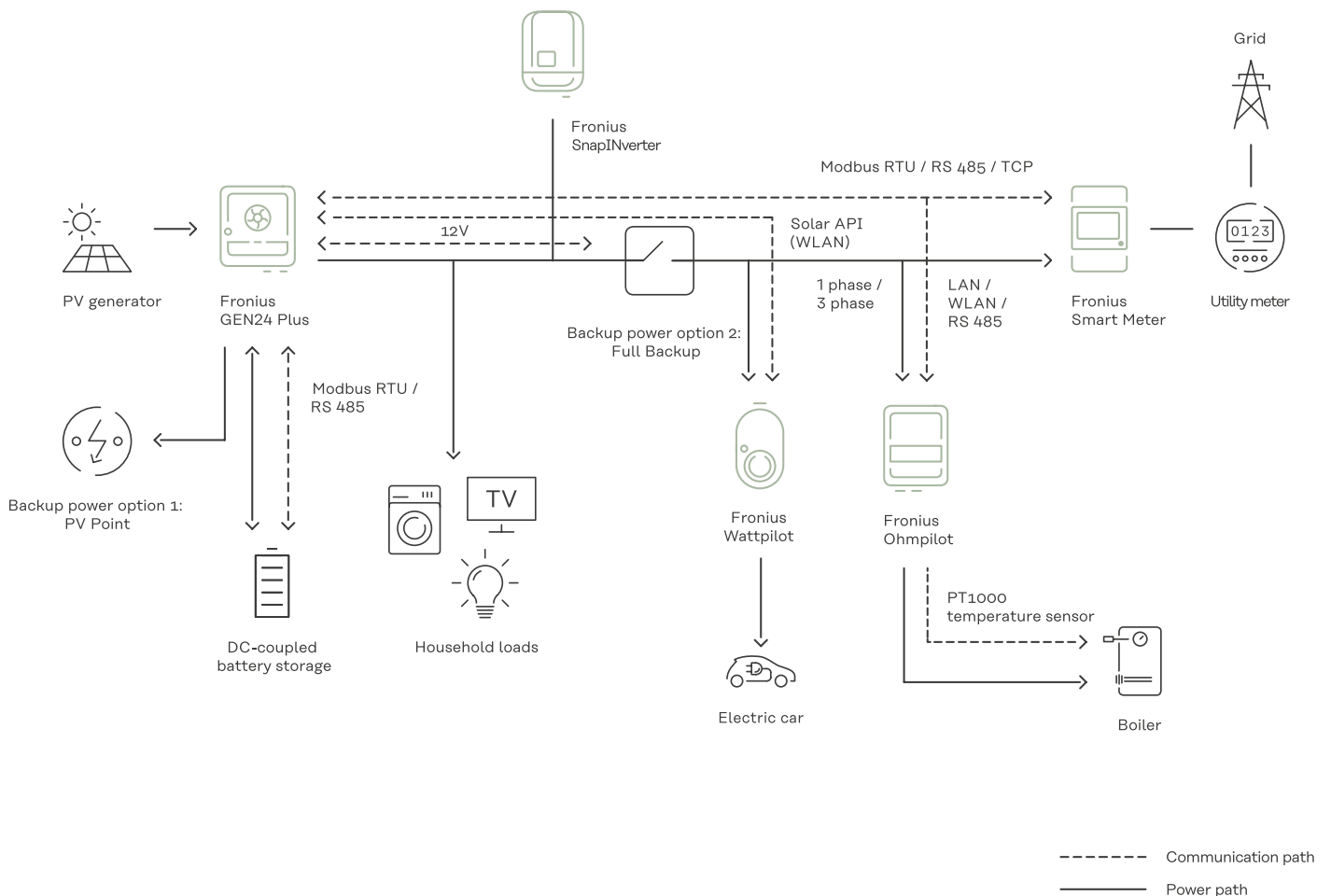
Device	Type	Notes
Backup power variants*	PV Point (on board)	Socket supplied during backup power operation Single-phase power up to 3 kW Optional battery storage Fuse protection with 30 mA type A RCD required
	PV Point Comfort	Continuously supplied socket (backup power supply and parallel grid operation) 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.

Configuration scheme



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



You can access recordings of our webinars here.

Fronius International GmbH
Froniusplatz 1
4600 Wels
Austria
pv-sales@fronius.com
www.fronius.com

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