Fronius Wattpilot

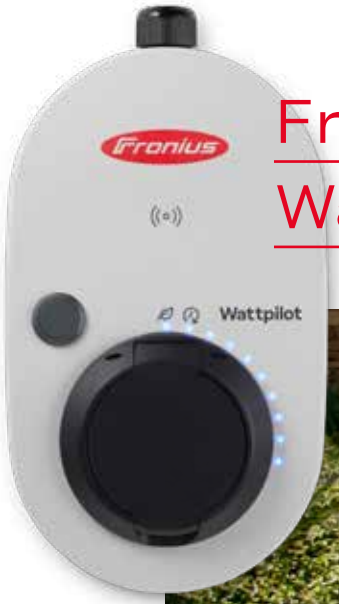
Designed to move.

Fronius
Solar Energy

The electric car charging station for everyone –
with or without a photovoltaic system

Sustainably affordable: E-mobility with solar power

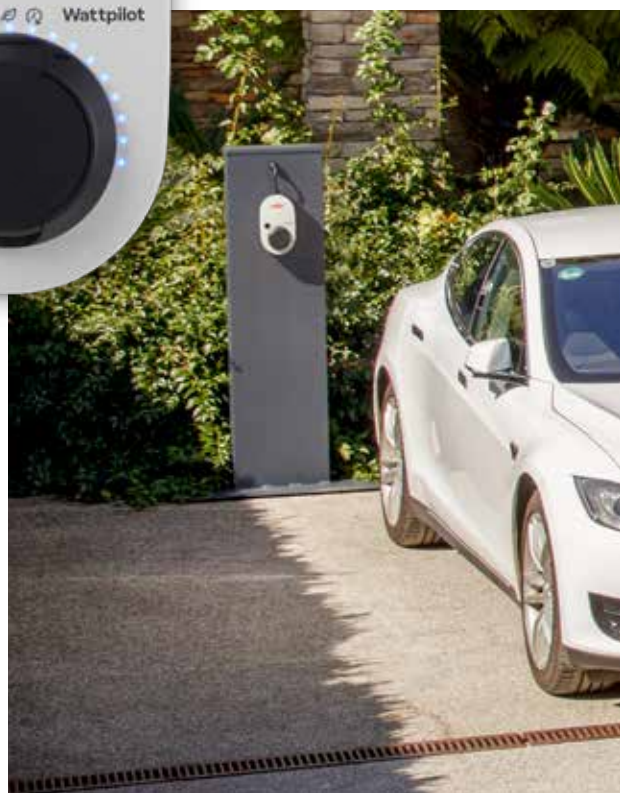
Whether at home or on the go, with or without your own photovoltaic system, powering your electric car with renewable energy will always give you best value. The Fronius Wattpilot is providing this in more and more countries with variable energy tariffs. The intelligent charging solution charges your electric car with surplus energy (if available) from your own photovoltaic system and the cheapest grid current. And it does all this automatically, sustainably, anywhere. **It's about e-mobility that drives us all forward. Fronius Wattpilot. Designed to move.**



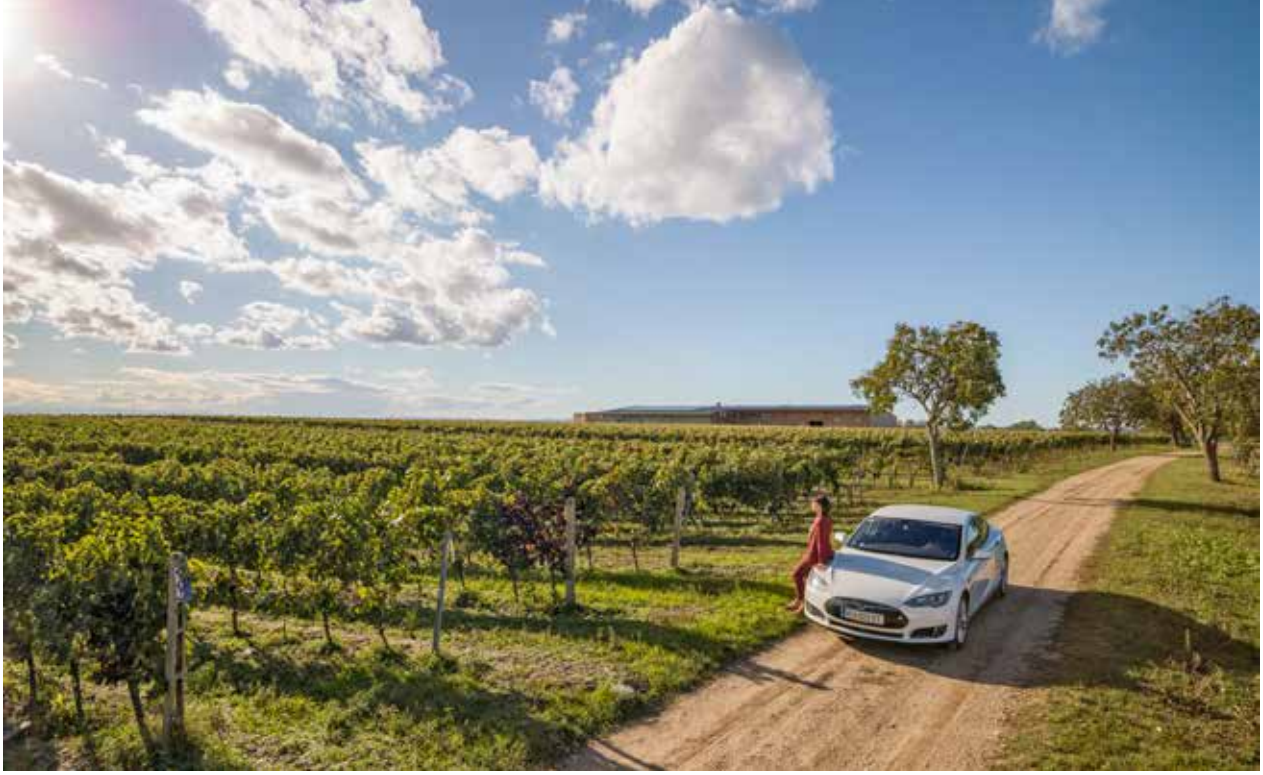
Fronius Wattpilot

The charging station for electric cars

The Fronius Wattpilot is available in two versions: **Home** is the charging station for permanent installation at home, **Go** is the transportable solution for on the go. Both versions deliver intelligent and flexible charging with two different modes: **Eco Mode** is for those wishing to charge efficiently with a combination of PV surplus charging and variable energy tariffs*. **Next Trip Mode** reliably charges your electric car for a specific number of kilometers. This can be used either with a PV system and surplus solar power, or a grid current supply with variable energy tariffs where charging takes place at the cheapest times.

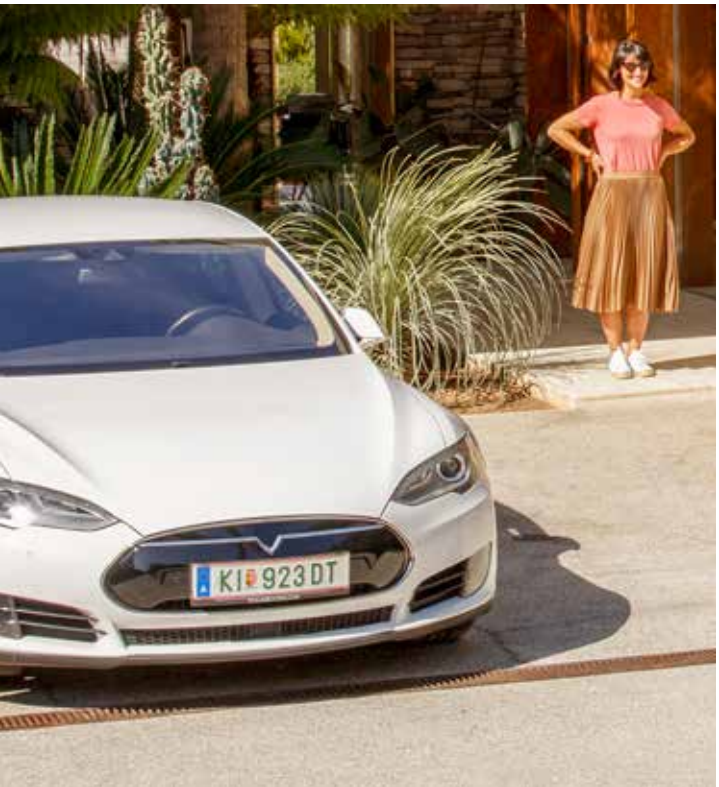


** This feature is only currently available in Austria (aWattar Hourly) and Germany (Lumina Strom), with plans to roll it out in further countries.*



Sustainable right from the start

Environmental, economical, social: For us, all aspects of sustainability are hugely important. Since 1992, we have been successfully investing in strong relationships with our customers, partners and employees. We are a reliable partner as well as being innovative pioneers. We have always been driven by our vision of "24 hours of sun for everyone" – to make solar energy available to everyone at any time of day or night and in every season. And today we can proudly say, "Mission accomplished!".



Product advantages

Charging with green power economically and flexibly: The Fronius Wattpilot provides a wide range of features and benefits. E-Mobility isn't only about the joy of driving.

Full charging flexibility

Operating the Fronius Wattpilot could not be easier: Simply plug it in and start charging.

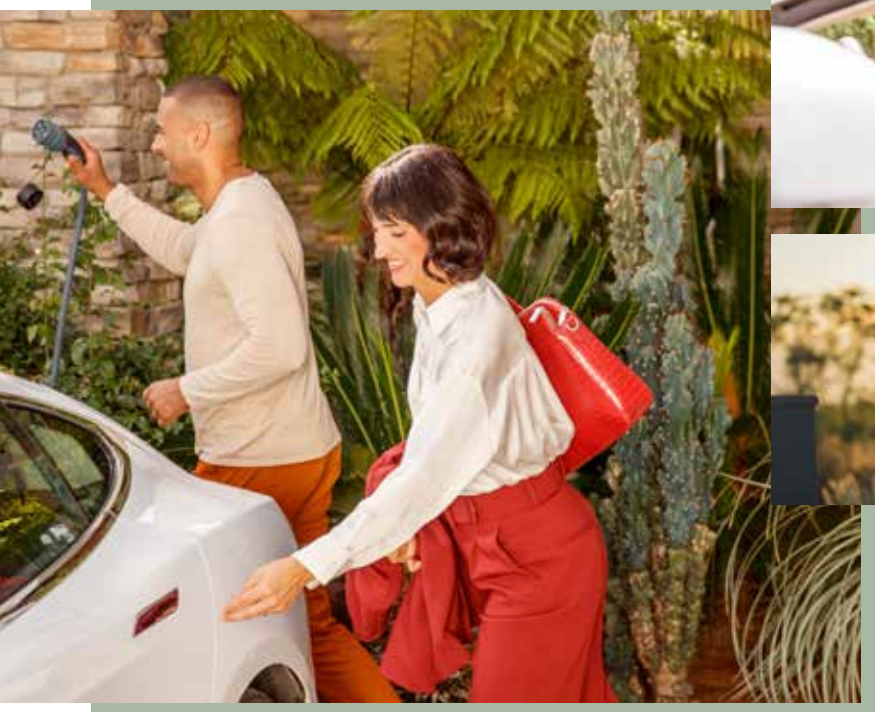
Plug 'n' Drive

As the owner of a photovoltaic system, you can be sure that the Fronius Wattpilot will charge your electric car with your own surplus energy. It can automatically switch between 1 and 3 phases and regulate the power in 1 ampere increments, allowing optimum use to be made of surplus PV energy, from 1.38 kW to 22 kW. This avoids load peaks while still reliably supplying the entire household.

Intelligent charging

Convenient control using the buttons on the Wattpilot itself or via a smartphone/tablet: The Fronius Solar.wattpilot app lets you operate both versions of the Fronius Wattpilot and adjust the settings as required.

Ease of use



Product advantages

Safety & control

You can create up to ten user profiles for each Fronius Wattpilot. You can secure access to the Fronius Wattpilot by RFID chip or card, enabling a detailed presentation of all charging data for each user.

Full integration

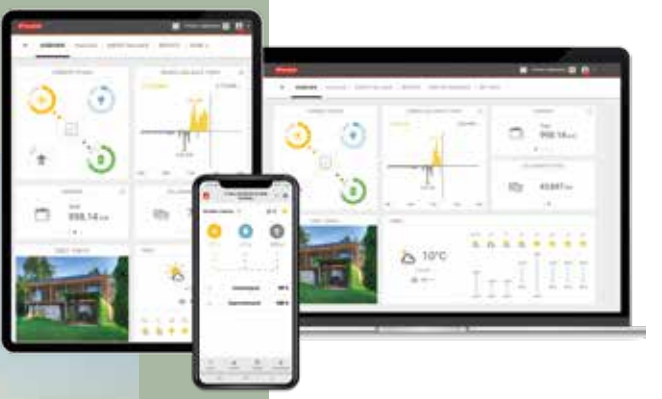
Conveniently for owners of photovoltaic systems, the Fronius Wattpilot can be seamlessly integrated into Fronius Solar.web. This gives you a complete overview of all components in your photovoltaic system at all times and enables you to monitor the use of self-generated solar energy.

Dynamic Load Balancing

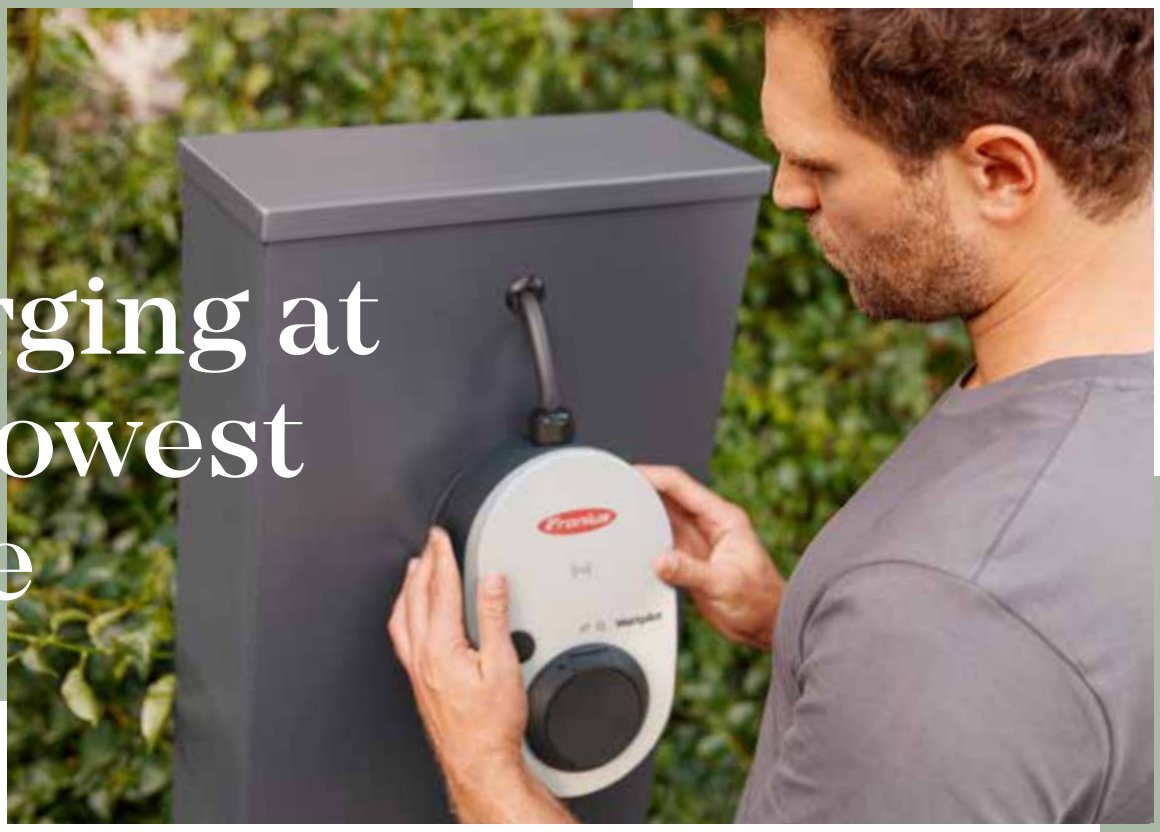
Optimum current distribution. Dynamic Load Balancing charges up to three electric cars not only at the same time but in an energy-optimized manner. The energy required can be dynamically controlled and distributed among the vehicles being charged.

Complete flexibility

The Fronius Wattpilot can be used with any electric car. The Fronius charging solution is compatible with all makes of vehicle and you can continue to use it unimpeded even if you change your vehicle.



Charging at the lowest price



With the Fronius Wattpilot, you always charge your electric car at the lowest price.

1. Select the mode

Eco or Next Trip? The mode is easy to select via a button on the Wattpilot itself or remotely using the app.

2. Select a price threshold

Set the price threshold at which the Fronius Wattpilot should search for and charge with grid current for your energy tariff.

3. Use PV surplus

As inexpensive as it gets. If available, the Fronius Wattpilot will charge your electric car with self-generated solar power from your own roof.

4. Charge with the cheapest grid current

The Fronius Wattpilot searches for the cheapest available current to charge your electric car. If surplus energy is available from your own photovoltaic system, this energy is used first, rather than being taken from the grid supply.

5. Enjoy driving at the lowest price

With e-mobility that drives us all forward.

Important: In order to function reliably, the Fronius Wattpilot requires a permanent Internet connection via WLAN.

Flexible e-mobility

For more information, visit:
www.fronius.com/wattpilot-car-charger

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Designed to move.

Product advantages

01 Plug 'n' Drive
02 Intelligent charging
03 Operating convenience
04 Security & control
05 Full integration
06 Complete flexibility

At home or on the move. With or without your own PV system. Sustainable electricity is always the cheapest way to power your electric car. Fronius Wattpilot takes care of this in ever more countries with variable electricity tariffs. This intelligent charging solution charges your electric car with surplus energy from your own PV system – if available – and with the cheapest mains current. It's fully automatic, sustainable and can be used anywhere. **It's about e-mobility that drives us all forward. Fronius Wattpilot. Designed to move.**

The electric car charger

01 Plug 'n' Drive

The Fronius Wattpilot is child's play to use – simply plug it in and charge.

02 Intelligent charging

As a PV system owner, you can rely on Fronius: The Fronius Wattpilot charges your electric car with your own surplus energy – where available – or draws upon mains current. This prevents load peaks while reliably supplying the entire household.

03 Operating convenience

Convenient control via a button on the Wattpilot or via smartphone/tablet: The Fronius Solar.wattpilot app allows you to securely use both versions of the Fronius Wattpilot and adjust them to suit your own personal needs.

04 Security & control

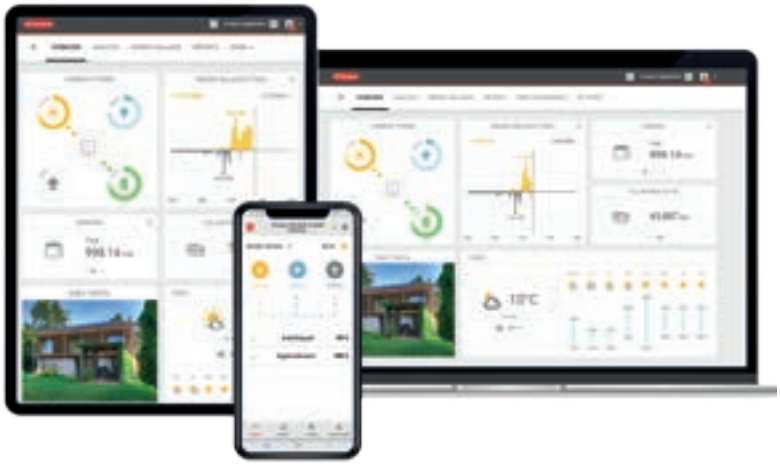
You can create up to 10 user profiles per Fronius Wattpilot. Access to the Fronius Wattpilot can be secured via RFID chip or card and protects it against misuse, including in public spaces. The use of chip or card also enables detailed itemisation of all charging data for each user.

05 Full integration

Attention PV system owners! The Fronius Wattpilot can be seamlessly integrated in the Fronius Solar.web app. This gives you an insight into all the components of your PV system at any time and allows you to control the use of all your self-generated solar energy.

06 Complete flexibility

No matter what electric car you drive, the Fronius Wattpilot is the perfect choice. This Fronius charging solution is compatible with all makes of car and remains fully ready for use if you change your car.



The Fronius Wattpilot can be integrated into Solar.web with ease and enables an overview of all energy usage .

Fronius Wattpilot comes in three versions:

– Fronius Wattpilot Home 11 J

– Fronius Wattpilot Home 22 J

– Fronius Wattpilot Go 22 J AUS

Technical data

			Wattpilot					
			Home 11 J		Home 22 J		Go 22 J AUS	
Input data			1-phase	3-phase	1-phase	3-phase	1-phase	3-phase
	Maximum charging power	kW	3.68	11	7.36	22	7.36	22
	Grid types		TT / TN / IT		TT / TN / IT		TT / TN / IT	
	Mains connection		5-pin cable 180 cm incl. neutral conductor		5-pin cable 180 cm incl. neutral conductor		3-phase plug 32 A (AU) 30 cm incl. neutral conductor	
			1-phase	3-phase	1-phase	3-phase	1-phase	3-phase
	Nominal voltage	V	230/240	400/415	230/240	400/415	230/240	400/415
	Nominal current (configurable)	A	6–16 1-phase or 3-phase		6–32 1-phase or 3-phase		6–32 1-phase or 3-phase	
	Grid frequency	Hz	50		50		50	
	Charging socket		Type-2 infrastructure socket with mechanical lock					
	Residual current device[1]		20 mA AC, 6 mA DC integrated in device					
	Supply line cable cross-section	mm²	min. 2.5		min. 6		min. 6	

[1] *An additional 30 mA AC type A residual current circuit breaker and an automatic circuit breaker must be connected upstream.*

Technical data

			Wattpilot		
			Home 11 J	**Home 22 J**	**Go 22 J AUS**
General data	PV optimisation		Dynamic PV surplus charging of 1.38–11 kW (at 230/400 V, automatic 1/3 phase switchover)	Dynamic PV surplus charging of 1.38–22 kW (at 230/400 V, automatic 1/3 phase switchover)	Dynamic PV surplus charging of 1.38–22 kW (at 230/400 V, automatic 1/3 phase switchover)
	Network connection[2]		WLAN 802.11 b/g/n	WLAN 802.11 b/g/n	WLAN 802.11 b/g/n
	Communication protocols		OCPP 1.6 J	OCPP 1.6 J	OCPP 1.6 J
	Use[3]		indoors or outdoors		
	Installation type		Hanging upright		
	Safety class		IP 65	IP 65	IP 65
	Standards/directives		EN IEC 61851-1 EN 62196	EN IEC 61851-1 EN 62196	EN IEC 61851-1 EN 62752 EN 62196
	Dimensions (L x W x H)	mm	287 × 155 × 109		
	Weight	kg	1.8	2.3	2
	Average temperature over 24 hours	°C	max. 35	max. 35	max. 35
	Ambient temperature[4]	°C	–25 to +40 (without direct sunlight)		
	Humidity	%	5–95	5–95	5–95
	Sea level	m	0–2000	0–2000	0–2000
	Impact resistance		IK08	IK08	IK08

[2] *Supported security standards: WEP, WPA, WPA2, WPA3*
[3] *When installed outdoors, the Wattpilot must not be exposed to direct sunlight.*
[4] *Operation in temperatures in excess of 40°C can result in a reduction in charging performance*

For more information, visit: www.fronius.com/wattpilot-en

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