

Designed to move.



Fronius Wattpilot

Product advantages

- 01 Fill up on sunshine
- 02 The perfect match
- 03 Flexible and cost-effective charging
- 04 Driving free

Product advantages

01 Fill up on sunshine

It couldn't be any more efficient: The Fronius Wattpilot allows you to charge your electric car with your own solar power. The PV-optimised charging solution automatically switches between one-phase and three-phase, ensuring efficient use of solar power at all times. As a result, PV surpluses of 1.38 to 11/22 kW are fully exploited by the Fronius Wattpilot. Even the smallest quantities are automatically used to charge your electric vehicle, meaning you get the maximum benefit from solar power at all times.

02 The perfect match

A perfectly coordinated complete system: The Fronius Wattpilot is perfectly compatible with PV systems and other Fronius products. This gives you easy access to intelligent energy management that's individually adapted to your needs. Your data and information are clearly displayed in the Fronius Solar.web monitoring tool. This means you can continuously enjoy the tried-and-tested Fronius quality and reliable service.

03 Flexible and cost-effective charging

Intelligent charging modes for maximum flexibility: Eco Mode enables highly economical and sustainable driving by combining charging with PV surplus and variable electricity tariffs. Next Trip Mode provides you with a cost-effective and reliable solution for supplying your electric car with the power to cover a certain distance and up to a specified time.

04 Driving free

Charging made easy: With the Fronius Wattpilot Go, you can charge your electric vehicle on the go, even if there are no charging stations available. Thanks to the CEE plug and optional adapter sets, the Fronius charging station can be connected to any socket. This way, you can achieve a higher charging capacity than with emergency charging cables, and also benefit from the advantages of the Fronius Wattpilot on the go.



The Fronius Wattpilot is easily integrated in Fronius Solar.web, giving you a convenient overview of your entire energy use.



Technical data

		Wattpilot 2.0								
		Go 11 J 2.0		Go 22 J 2.0		Home 11 J 2.0		Home 22 J 2.0		
		1-phase	3-phase	1-phase	3-phase	1-phase	3-phase	1-phase	3-phase	
Input data	Maximum charging power	kW	3.68	11	7.36	22	3,68	11	7.36	22
	Grid types		TT / TN / IT							
	Grid connection		CEE16 30 cm incl. neutral conductor		CEE32 30 cm incl. neutral conductor		5-pin cable 180 cm incl. neutral conductor		5-pin cable 180 cm incl. neutral conductor	
	Optional adapter		CEE32 (red) / CEE-Cara 16 A (camping plug blue) / safety plug 16A		CEE16 (red) / CEE-Cara 16A (camping plug blue) / safety plug 16 A					
			1-phase	3-phase	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	230/240	400/415
	Nominal current (configurable)	A	6–16 A 1-phase or 3-phase		6–32 A 1-phase or 3-phase		6–16 A 1-phase or 3-phase		6–32 A 1-phase or 3-phase	
	Grid frequency	Hz	50		50		50		50	
	Charging socket		Infrastructure-side Type 2 socket with mechanical locking							
	Residual current device ¹		20 mA AC, 6 mA DC integrated in device							
	Cable cross-section, supply line	mm ²	Min. 2.5		Min. 6		Min. 2.5		Min. 6	

General data	PV optimisation		Dynamic PV surplus charging with 1.38–11 kW (at 230/400 V) (automatic 1-/3-phase switching)	Dynamic PV surplus charging with 1.38–22 kW (at 230/400 V) (automatic 1-/3-phase switching)	Dynamic PV surplus charging with 1.38–11 kW (at 230/400 V) (automatic 1-/3-phase switching)	Dynamic PV surplus charging with 1.38–22 kW (at 230/400 V) (automatic 1-/3-phase switching)
	Charging		Mode 2 as per IEC 61851-1 AC charging	Mode 2 as per IEC 61851-1 AC charging	Mode 3 as per IEC 61851-1 AC charging	Mode 3 as per IEC 61851-1 AC charging
	Network connection ²		WLAN 802.11 b/g/n			
	Authentication		RFID			
	Communication protocols		OCPP 1.6 J			
	Dynamic Load Balancing		Integrated (unlimited number of charging stations)			
	Usage ³		Indoors and outdoors			
	Type of installation		Suspended upright			
	Safety class		IP 65	IP 65	IP 65	IP 65
	Standards/directives		EN IEC 61851-1 EN 62752 EN 62196	EN IEC 61851-1 EN 62752 EN 62197	EN IEC 61851-1 EN 62196	EN IEC 61851-1 EN 62197
	Dimensions (H x W x D)	mm	287 x 155 x 109			
	Weight	kg	1,6	1,8	1,8	2,3
	Average temperature over 24 hours	°C	max. 35			
	Ambient temperature ⁴	°C	–25 to +40 (without direct sunlight)			
	Humidity	%	5–95			
	Sea level	m	0–2000			
Impact resistance		IK08				

¹ An additional residual current circuit breaker and an automatic circuit breaker must be connected upstream according to the applicable installation standard of the respective country.

² Supported safety 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



Fill up on sunshine with the electric car charging station

Fronius Wattpilot allows you to harness the full power of the sun to charge your electric car. The PV-optimised charging station uses your own generated solar energy with optimal efficiency. And thanks to intelligent charging modes, when there is no PV surplus available, it uses the cheapest electricity supply. Whether at home or on the road, the Home or Go version of Fronius Wattpilot powers your electric car anywhere and anytime. **This is e-mobility that drives us all forward. Fronius Wattpilot. Designed to move.**

For more information about the product, visit:

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