

Fronius Argeno



Product strengths

01 Maximum energy

- 02 Comprehensive protection
- 03 European quality
- 04 First-class service and support

Product strengths





01 Maximum energy

The Fronius Argeno helps you get the most out of every ray of sunshine. With an impressive peak efficiency of up to 99.1% – achieved with cutting-edge silicon carbide technology – conversion losses are reduced to a minimum. This means you get the maximum energy possible out of your PV system and make optimum use of the sun's power.

02 Comprehensive protection

With its integrated and replaceable type 1+2 surge protection devices, the Fronius Argeno is ideally equipped for any PV system. Your data is secure at all times thanks to its certified information security system and European cloud and server locations. Fronius Argeno has protection class IP 66, which means it features unsurpassed protection against external weather influences.

03 European quality

As a family-owned company in its third generation, Fronius has always been committed to strengthening value creation in Europe through local production. The Fronius Argeno is manufactured in the heart of Europe and meets the most stringent quality and safety standards for maximum efficiency and a long service life.

04 First-class service and support

With the Fronius Argeno, you get a first-class inverter as well as first-class service and support. We work closely with installers who have obtained first-class training, including those from our Fronius System Partner Program. Our partners use this expertise as well as state-of-the-art digital tools to ensure your PV system receives superior service and operates at its optimum.



Technical data

Tech	nnical data		Fronius Argeno
			Argeno 125.0
Input Data	Number of MPP trackers		10
			PV1 PV2 PV3 PV4 PV5 PV6 PV7 PV8 PV9 PV10
	Number of DC connections per MPPT		2
	Max. usable input current per MPPT (I _{DC max, MPPT})	А	30
	Max. usable input current per string (I _{DC max, string})	А	20
	Max. module array short circuit current per MPPT (I _{sc pv, MPPT})	А	37.5
	Max. module array short circuit current per string (I _{sc pv, string})	А	25
	Max. module array short circuit current inverter (I _{sc pv, inverter})	А	375
	Nominal input voltage (U _{DC,r})	v	620
	DC input voltage range (U _{DC min} - U _{DC max})	v	200 - 1,100
	Feed-in start voltage (U _{DC start})	V	250
	Usable MPP voltage range (U _{mpp min} - U _{mpp max})	v	200 - 1,000
	Usable MPP voltage range (at rated power) (U _{mpp min} - U _{mpp max})	V	550 - 850
	Max. usable DC power (P _{DC max, PV})	Wpeak	250,000
	Max. usable DC power - MPPT (P _{DC max, PV})	Wpeak	15,500
	Max. PV generator power inverter (P _{PV max})	Wpeak	250,000
Output Data			125,000 @ 400V
	AC rated output (P _{AC,r})		120,000 @ 380V
	Max. output power	VA	125,000
	AC output current per phase (I _{AC, r})	A	180.4
	Grid connection (U _{AC,r})	V	3~ (N)PE 400/230
Out	Frequency (frequency range f _{min} - f _{max})	Hz	50 / 60 (45 - 65)
	Total harmonic distortion	%	< 3
	Power factor (cos $\phi_{AC,r}$)		0.80 ind. / cap.
General Data	Dimensions (height x width x depth)	mm	755 x 1070 x 330
	Weight inverter	kg	< 90
	Degree of protection		IP 66
	Protection class		1
	Overvoltage category (DC / AC)		2/3
	Night-time consumption	w	4.8
	Cooling		Active cooling
	Installation		Wall mounting bracket
	Ambient temperature range	°C	-25 to +60
	Permitted humidity	%	0 - 100
	Noise emissions	db (A)	< 60
	Max. altitude above sea level	m	3,000
	Certificates and compliance with standards		VDE4105, VDE 4110, TOR Erzeuger Type A&B + R25, Further certificates on www.fronius.com

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		Cable cross section	mm²	50 to 240
tion ogy	AC	AC conductor material		Al and Cu
Connection technology		Connection terminals		M10 cable lug
	DC	Connection terminals		Phoenix Contact, tool-less assembly, mating connector included
	Δ	DC conductor material		Cu
Ś	Max.	efficiency	%	99.1
Efficiency	European efficiency (ηEU)		%	98.7
Efi	MPP-adaptation efficiency		%	> 99.6
ŝes		nsulation measurement		Integrated
evic	DC disconnector			Integrated
р Г	RCMU			Integrated
Protection devices	Arc fault circuit interrupter (Fronius Arc Guard)			Optional
rot	Polarity reversal protection			Integrated
	DC/AC surge protection			Type 1+2, replaceable
<i>(</i>)	Ethe	rnet LAN RJ45 Daisy Chain		Integrated
lces	Stat	ic IP LAN RJ45 connection		Integrated
Interfaces	Wired Shutdown (WSD)			Integrated
Int	Datalogger and Webserver			Integrated
	Solar.web			Integrated

Efficiency



Standardized output power Pac/Pac,r

Power derating



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