



Designed to maximize.



Fronius
Argeno

Product strengths

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

Product strengths

01 Maximum energy

Fronius Argeno helps you get the most out of every ray of sunshine. With 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 overvoltage protection, 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. 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 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

			Fronius Argeno	
			Argeno 125.0	
Input Data	Number MPP trackers		10	
	Inputs per MPPT		2	
	Max./Usable input current per MPPT ($I_{DC\ max, MPPT}$)	A	30	
	Max./Usable input current per String ($I_{DC\ max, String}$)	A	20	
	Max. array short circuit current per MPPT ($I_{sc\ pv, MPPT}$)	A	37.5	
	Max. array short circuit current per String ($I_{sc\ pv, String}$)	A	TBD	
	Max. array short circuit current Inverter ($I_{sc\ pv, Inverter}$)	A	37.5	
	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-up input 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 ($P_{DC\ max, PV}$)	W _{peak}	250,000	
	Max. PV generator output per MPPT ($P_{PV\ max}$)	W _{peak}	15,500	
	Max. PV generator output Inverter ($P_{PV\ max}$)	W _{peak}	250,000	
Output Data	AC nominal output ($P_{AC, r}$)	W	125,000 @ 400V 120,000 @ 380V	
	Max. output power / rated apparent power	VA	125,000	
	AC output current per phase ($I_{AC, r}$)	A	180.4	
	Grid connection (voltage range) ($U_{AC, r}$)	V	3- (N)PE 400/230	
	Frequency (Frequency range $f_{min} - f_{max}$)	HZ	50 / 60 (45 - 65)	
	Total harmonic distortion	%	< 3	
	Power factor ($\cos \varphi_{AC, r}$)		0,80 ind. / cap.	
General Data	Dimensions (height x width x depth)	mm	740 x 1,023 x 330	
	Weight (Inverter / with packaging)	kg	85	
	Degree of protection		IP66	
	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	
	Max. Altitude (unrestricted / restricted voltage range)	m	3,000	

Preliminary data

Technical data

				Fronius Argeno	
				Argeno 125.0	
Connection technology	AC	Cable cross section	mm ²	50 to 240	
		AC conductor material		Al and Cu	
		Connection terminals		Cable lug	
	DC	Connection terminals		Phoenix Contact, Direct String connection	
		DC conductor material		Cu	
Efficiency	Max. efficiency	%	99.1		
	European efficiency (η_{EU})	%	98.7		
	MPP adaptation efficiency	%	> 99.3		
Protection devices	DC insulation measurement		Integrated		
	DC/AC - surge protection		Typ 1+2		
	DC disconnect		Integrated		
	Reverse polarity protection		Integrated		
	RCMU		Integrated		
Interfaces	Ethernet LAN RJ45 Daisy Chain		Integrated		
	Static IP LAN RJ45 connection		Integrated		
	Wired Shutdown (WSD)		Integrated		
	2 x RS485		Not in use		
	Datalogger and Webserver		Integrated, later via software Update		