

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

CO							Fronius	s Argeno)			
							Argen	0 125.0				
	Number of MPP trackers							10				
Input Data			PV 1	PV 2	PV 3	PV 4	PV 5	PV 6	PV 7	PV 8	PV 9	PV 10
	Number of DC connections per MPPT							2	1			
	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					3	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					3	375				
	Nominal input voltage (U _{DC,r})	V					6	620				
	DC input voltage range (U _{DC min} - U _{DC max})	v					200	- 1,100				
	Feed-in start voltage (U _{DC start})	v					2	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	0,000				
	Max. usable DC power - MPPT (P _{DC max, PV})	Wpeak					15	,500				
	Max. PV generator power inverter (P _{PV max})	Wpeak					250	0,000				
ata	AC rated output (P _{AC,r})	W					125,000 120,000) @ 400V) @ 380V				
	Max. output power	VA					125	5,000				
	AC output current per phase (I _{AC, r})	A					18	30.4				
nt D	Grid connection (U _{AC r})	V					3~ (N)PE	E 400/230				
Outp	Frequency (frequency range f _{min} - f _{max})	Hz					50 / 60) (45 - 65)				
	Total harmonic distortion	%						< 3				
	Power factor (cos φ _{AC,r})		0.80 ind. / cap.									
	Dimensions (height x width x depth)	mm					755 v 1	070 v 330				
	Woight invortor	ka					100 × 1					
		k					тт					
General Data							ΤL	1				
							-	1				
	Overvoltage category (DC / AC)						2	/ 3				
	Night-time consumption	W					1	4.8				
	Cooling						Active	cooling				
	Installation					V	Vall mour	iting brack	et			
	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				VDE410	5, VDE 42 Further ce	110, TOR ertificates	Erzeuger T s on www.fr	ype A&B onius.con	+ R25, n		

Technical data

				Fronius Argeno					
				Argeno 125.0					
Connection technology	Cable cross section AC conductor material		mm²	50 to 240					
				Al and Cu					
	Connection terminals			M10 cable lug					
	U Connection terminals			Phoenix Contact, tool-less assembly, mating connector included					
		DC conductor material		Cu					
			1						
ficiency	Max.	efficiency	%	99.1					
	Euro	pean efficiency (ηEU)	%	98.7					
Efi	MPP-adaptation efficiency			> 99.6					
			1						
rotection devices	DC insulation measurement			Integrated					
	DC disconnector			Integrated					
	RCM	IU		Integrated					
	Arc 1 (Froi	fault circuit interrupter nius Arc Guard)		Optional					
	Pola	rity reversal protection		Integrated					
	DC/A	AC surge protection		Type 1+2, replaceable					
			l						
Interfaces	Ethe	rnet LAN RJ45 Daisy Chain		Integrated					
	Stat	ic IP LAN RJ45 connection		Integrated					
	Wire	d Shutdown (WSD)		Integrated					
	Data	logger and Webserver		Integrated					
	Sola	r.web		Integrated					

Efficiency



Standardized output power Pac/Pac,r

Power derating



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