

Certificate of Conformity

No. ESY 002360 0019 Rev. 00

Holder of Certificate: **Fronius International GmbH**

Fronius Straße 1
4643 Pettenbach
AUSTRIA

Product: **PV inverter**

Model(s):

Argeno 125
Argeno 125 EXC.
Argeno 125 AFCI
Argeno 125 AFCI EXC.
Argeno 125 FR
Argeno 125 FR EXC.
Argeno 125 UA
Argeno 125 UA EXC.

Parameters:

see next page

**Applicable
standards:**

IEC 61727:2004

This Certificate of Conformity confirms the compliance with the above listed standards on a voluntary basis. It refers only to the sample submitted to TÜV SÜD Product Service GmbH and does not certify the quality or safety of the serial products. It was issued according to TÜV SÜD Product Service certification program Photovoltaics and Grid Integration. For details see: www.tuvsud.com/ps-cert

Test report no.: 713342036-05

Date, 2025-02-28



(Bernd Kreitmeier)

Certificate of Conformity

No. ESY 002360 0019 Rev. 00

Measuring of grid connection properties	
Extract from test report according to IEC 61727:2004	713342036-05

Rated values				
Model(s)	Argeno 125	Argeno 125 AFCI	Argeno 125 FR	Argeno 125 UA
	Argeno 125 EXC.	Argeno 125 AFCI EXC.	Argeno 125 FR EXC.	Argeno 125 UA EXC.
MPP range [V DC]	550 – 850			
Operating range [V DC]	200 – 1100			
Max. input current [A DC]	30 (per tracker)			
I _{sc max} [A DC]	37,5 (per tracker)			
Max. Number of MPP tracker	10			
Max. power [KVA]	125			
Line voltage [V AC]	380 and 400 3P(N)+PE			
Rated current [A AC]	180,4			
Max. current [A AC]	182,0			
Reactive power / cos phi	0.80 ind. – 0.80 cap			
Firmware Version	AC-DSP1: V1.11 (28B8) and higher			

Additional information:

The PCE is a photovoltaic inverter without galvanic separation converting DC voltage in AC voltage. The input is connected via solar-connectors and provides 10 MPP-trackers whereas two of them can be connected. The PV-disconnector is integral part of the PCE.

- The model Argeno 125 provide pluggable SPDs at the AC and DC inputs.
- The model Argeno 125 AFCI provide pluggable SPDs and include an arc fault detection according to IEC 63027:2023.
- The model Argeno 125 FR include pluggable SPDs and additional insulation foils in the DC area. In addition, this variant uses a Ph-N measurement. An N conductor is a mandatory requirement for this device.
- The model Argeno 125 UA is identical to the model Argeno 125, except for the type plate in Cyrillic
- The models with the suffix EXC. are exchange devices (pool devices) for servicing. These are identical to the corresponding variants without this suffix.

The mains is connected via bus-bars and provides an integral disconnection according IEC 62109-2 Ed 1.0.

The internal switches can be controlled via an interface from the external interface protection. In this case, a delay time of <3 ms was determined.

Tested at:	TÜV SÜD Product Service GmbH Ridlerstraße 65, 80339 Munich, Germany
Measurement period:	From 2023-08-31 to 2023-11-10 + 2024-11-29 to 2024-12-13