



Product Certificate Number	20047-CER		
Applicant	KOSTAL Industrie Elektrik GmbH Lange Eck 11, D-58099 Hagen Deutschland / Germany		
Model	PIKO 4.2	PIKO 4.6	PIKO 5.5
	PIKO 7.0	PIKO 8.5	PIKO 10
	PIKO 12	PIKO 15	PIKO 17
	PIKO 20	PIKO 36 EPC	
Type of generating unit	Photovoltaic Inverter		
Technical Data	See page 2		
Network connection rule	UNE 206007-1:2013 IN. Requisitos de conexión a la red eléctrica. Inversores para conexión a la red de distribución.		

Having assessed the test report number: 20047-TR performed by Certification Entity for Renewable Energies, S.L. (EA Accredited Laboratory N° 1239/LE2396) based on the requirements of the EN ISO/IEC 17025:2005.

The above-mentioned generating unit complies with the requirements of the: **UNE 206007-1:2013 IN.** Requisitos de conexión a la red eléctrica. Inversores para conexión a la red de distribución.

This certification is according the CERE internal process PET-CERE-09 Rev 13 based on the requirements of the EN ISO/IEC 17065:2012. For this certification process the conformity assessment activities was based on:

- Testing of production samples selected by CERE.
- Audit of quality system according ISO 9001 with certificate number: 44 100 101302-005 issued by a certification body accredited according EN ISO/IEC 17021.
- Inspection of the manufacturing process.

Madrid July 6, 2018. This certificate is valid until July 6, 2021

Miguel Martínez Lavín
Certification Manager

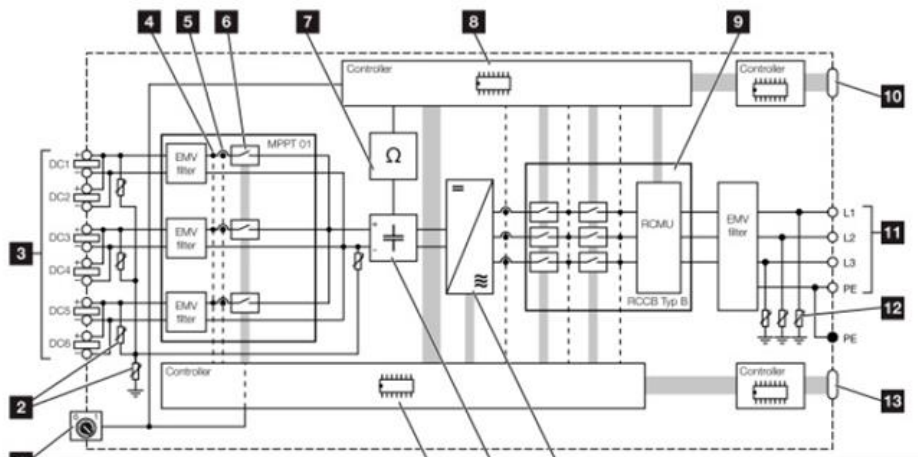
Ratings:	PIKO 4.2	PIKO 4.6	PIKO 5.5
Input Voltage	180V – 1000 Vdc	180V – 1000 Vdc	180V – 1000 Vdc
Input Current	11A	11A	11A
Output Voltage	400Vac, 50Hz, 3Ph+N+PE		
Output Current	6,1A	6,7A	8A
Output Power	4,2 kW	4,6 kW	5,5 kW

Ratings:	PIKO 7.0	PIKO 8.5	PIKO 10
Input Voltage	180V – 1000 Vdc	180V – 1000 Vdc	180V – 1000 Vdc
Input Current	11A	11A	Symmetrical: 18/18 A. Asymmetrical: 20/10 A
Output Voltage	400Vac, 50Hz, 3Ph+N+PE		
Output Current	10,2 A	12,3 A	14,6 A
Output Power	7,0 kW	8,5 kW	10,0 kW

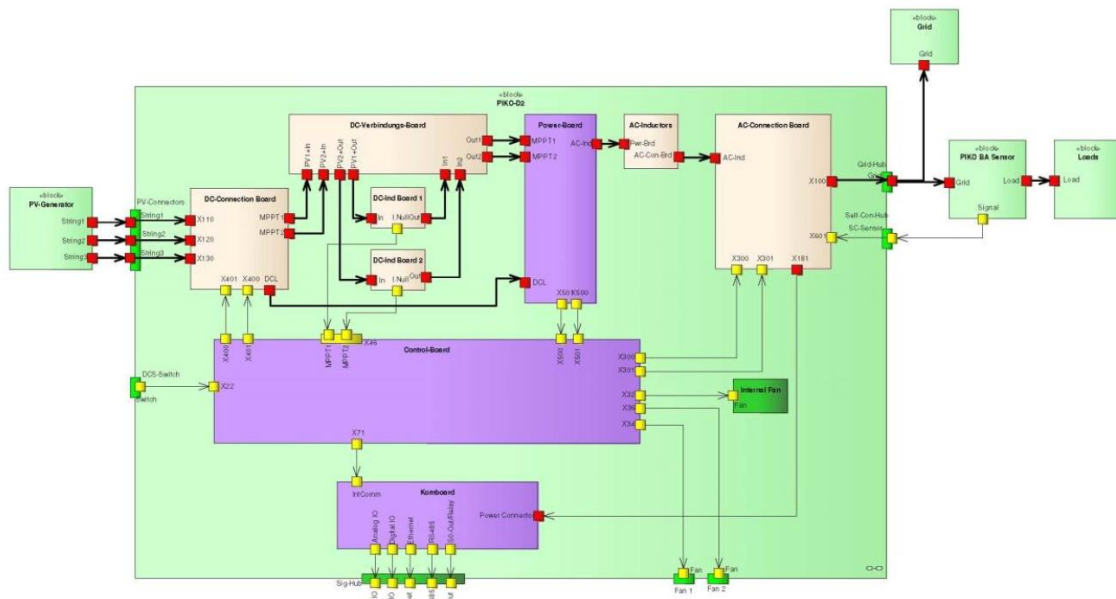
Ratings:	PIKO 12	PIKO 15	PIKO 17
Input Voltage	180V – 1000 Vdc	180V – 1000 Vdc	180V – 1000 Vdc
Input Current	Symmetrical: 18/18 A. Asymmetrical: 20/10 A	Symmetrical: 20/20/20 A Asymmetrical: 20/20/10 A	
Output Voltage	400Vac, 50Hz, 3Ph+N+PE		
Output Current	17,4 A	21,7 A	24,6A
Output Power	12,0 kW	15,0 kW	17,0 kW

Ratings:	PIKO 20	PIKO 36 EPC
Input Voltage	180V – 1000 Vdc	580V – 1100 Vdc
Input Current	Symmetrical: 20/20/20 A Asymmetrical: 20/20/10 A	13 A
Output Voltage	400Vac, 50Hz, 3Ph+N+PE,	400Vac, 50Hz, 3Ph+PE
Output Current	29 A	47,6 A
Output Power	20,0 kW	36 kW

Electrical Diagram of PIKO 36:



Electrical Diagram of PIKO family inverters:



The samples selected to test were representative of the production. The samples were selected in:

KOSTAL Industrie Elektrik GmbH
Lange Eck 11, D-58099 Hagen
Deutschland / Germany

Sample Report Number:

20047-TM

The inspection of manufacturing process was performed in:
On the 23rd May, 2018

KOSTAL Industrie Elektrik GmbH
Lange Eck 11, D-58099 Hagen
Deutschland / Germany

Inspection Report Number:

20047-IF