

PIKO string inverters from KOSTAL – all advantages at a glance!



Wide range

- Power classes, single-phase: 3,0 | 3,6 kW
- Power classes, three-phase: 4,2 | 5,5 | 7,0 | 8,3 | 10,0 kW
- Transformerless, compact and handy: 20 - 34 kg

Flexible use

- Up to three independent MPP trackers
- Wide input voltage range (180 - 950 V)
- Pre-configuration for up to 30 European countries

Complete communication system

- Integrated data logger and various interfaces
- Monitoring software and portal access free of charge
- Local and remote data retrieval

Highest quality

- Extensive quality checks
- „Zero-error philosophy“ of an automotive supplier
- Warranty 5 years; 10 or 20 years optional

Future-orientated

- Three-phase, symmetrical feed-in (\geq PIKO 4.2)
- Integrated active power and internal consumption control
- Family-run, independent company with tradition

PIKO string inverters from KOSTAL – Overview of technical data



	PIKO 3.0	PIKO 3.6	PIKO 4.2	PIKO 5.5	PIKO 7.0 ¹	PIKO 8.3	PIKO 10.1
Input side (DC)							
Number of DC inputs / of MPP trackers	1 / 1	2 / 2	2 / 2	3 / 3	2 / 2		3 / 3
Recommended DC power	5-10 % above rated AC output ²						
Max. DC input voltage (open circuit voltage)	950 V						
Min. DC input voltage	180 V						
Max. DC input current	9 A	9 A / 13 A ³		9 A		12,5 A / 25 A ³	
Output side (AC)							
Number of feed-in phases	1			3			
AC grid voltage	1/N/PE, AC, 230V			3/N/PE, AC, 230/400V			
Max. AC output current	13,1 A	15,7 A	6,1 A	8 A	10,2 A	12 A	14,5 A
Rated AC output (cosφ = 1)	3.000 W	3.600 W	4.200 W (UK 4.000 W, PT 3.680 W)	5.500 W (ES, PT 5.000 W)	7.000 W (DK 6.000)	8.300 W	10.000 W
Apparent power (cosφ, adj)	3.000 VA	3.600 VA	4.200 VA	5.500 VA	7.000 VA	8.300 VA	10.000 VA
Max. efficiency	95,7 %	95,8 %	96,5 %	96,2 %	96 %	96,1 %	96,2 %
European-standard efficiency	95 %	95,1 %	95,4 %	95,7 %	95,3 %	95,5 %	95,6 %
Rated frequency	50 Hz						
Galvanic isolation	Transformerless						
Type of grid monitoring	According to the countries' certificates						
Operational conditions, ingress protection according to IEC 60529	interior + exterior, IP 55						
Ambient temperature	-20° ... 60° C						
Connection technology at input side	MC 4						
Connection technology at output side	Spring-loaded terminal strip						
Dimensions (W x D x H)	420x211x350 mm				520x230x450 mm		
Weight	19,8 kg	20 kg	20,5 kg	21,1 kg	33 kg		34 kg
Disconnection device	Integrated electronic circuit breaker						

¹ available 2nd quarter 2012 | ² depending on ambient temperature and solar radiation | ³ with parallel connection of two MPP trackers

KOSTAL

KOSTAL Solar Electric GmbH
Hanferstr. 6
79108 Freiburg i. Br.
Deutschland
Telefon: +49 761 477 44 - 100
Fax: +49 761 477 44 - 111

KOSTAL Solar Electric Ibérica S.L.
Edificio abm
Ronda Narciso Monturiol y Estarriol, 3
Torre B, despachos 2 y 3
Parque Tecnológico de Valencia
46980 Valencia
España
Teléfono : +34 961 824 - 930
Fax: +34 961 824 - 931

KOSTAL Solar Electric France SARL
11, rue Jacques Cartier
78280 Guyancourt
France
Téléphone: +33 1 61 38 - 4117
Fax: +33 1 61 38 - 3940

KOSTAL Solar Electric Hellas E.Π.Ε.
47 Steliou Kazantzidi st., P.O. Box: 60080
1st building – 2nd entrance
55535, Pilea, Thessaloniki
Greece / Ελλάδα
Telephone: +30 2310 477 - 550
Fax: +30 2310 477 - 551

KOSTAL Solar Electric Italia Srl
Via Genova, 57
10098 Rivoli (TO)
Italia
Telefono: +39 011 97 82 - 420
Fax: +39 011 97 82 - 432

www.kostal-solar-electric.com