

Self-Declaration

The company

KOSTAL Solar Electric GmbH
Hanferstraße 6
79108 Freiburg i. Br., Germany

herby certifies, that inverters for connection to the low voltage grid

PIKO 10, PIKO 12

fulfil with the setting „Sweden“ the requirements of the EN50438:2007 with the additional requirements of SEK TR8 for Sweden.

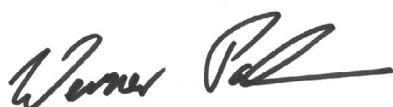
Power Quality - Voltage Fluctuations and Flicker according to EN61000-3-3					
	dmax	dc	d(t)	Pst	Plt
Test value	0.69	0.51	0.0	0.199	0.087
Limit	4%	3.3%	3.3%	1.0	0.65

The following deviations for Sweden according to EN 50438 supplemented with amendments decided by SEK TSK8 are applied	
Parameter	Value
Grid under frequency	47 (0.5 s)
Grid over frequency	51 Hz (0.5 s)
Grid over voltage (stage 1)	264.5 V (0.2 s)
Grid over voltage (stage 2)	255.3 V (60 s)
Grid under voltage	195.5 V (0.2 s)

LoM Test - Frequency Shift	
Output power level	Max
Measurement according to EN62116	2 sec

Size of Capacitor Battery	
Measured	0.04 kVAr

KOSTAL Solar Electric GmbH – 2017-03-21



i. V. Werner Palm
(Managing Director)



ppa. Dr. Armin von Preetzmann
(Vicepresident R&D)