

Declaration of Conformity

Harmonic Currents

Inverter: **SolarMax 330TS-SV**

Company: Sputnik Engineering AG
Länggasse 85
CH-2504 Biel/Bienne

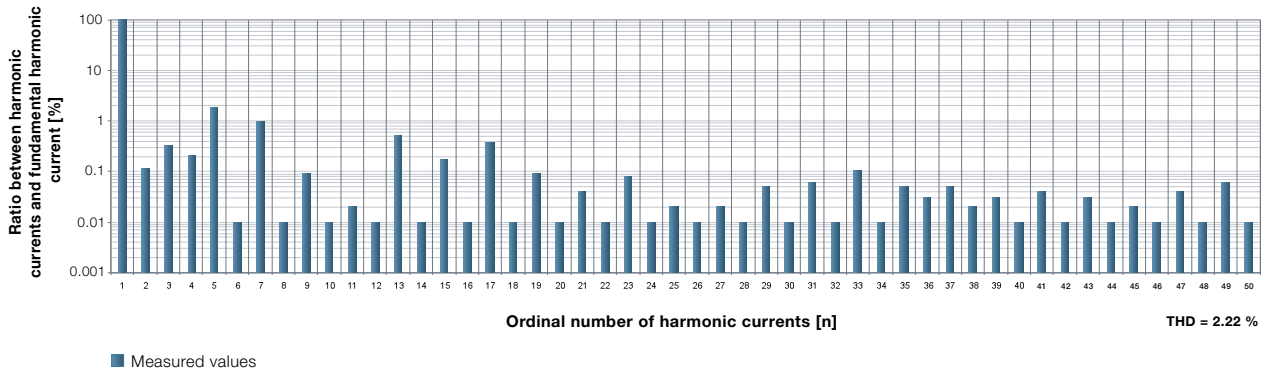
Measured values:

Ratio between harmonic currents (I_n) and fundamental harmonic current (I_1)

Ordinal number [n]	2	3	4	5	6	7	8	9	10	11	12	13	14
I_n/I_1 [%]	0.110	0.330	0.210	1.830	0.010	0.970	0.010	0.090	0.010	0.020	0.010	0.490	0.010
Ordinal number [n]	15	16	17	18	19	20	21	22	23	24	25	26	27
I_n/I_1 [%]	0.170	0.010	0.380	0.010	0.090	0.010	0.040	0.010	0.080	0.010	0.020	0.010	0.020
Ordinal number [n]	28	29	30	31	32	33	34	35	36	37	38	39	40
I_n/I_1 [%]	0.010	0.050	0.010	0.060	0.010	0.100	0.010	0.050	0.030	0.050	0.020	0.030	0.010
Ordinal number [n]	41	42	43	44	45	46	47	48	49	50			
I_n/I_1 [%]	0.040	0.010	0.030	0.010	0.020	0.010	0.040	0.010	0.060	0.010			

Reference current I_1 : 680.4A

Harmonic currents at rated output power
SolarMax 330TS-SV



Higher Frequencies

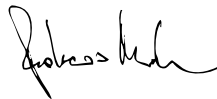
Frequency [Hz]	2100	2300	2500	2700	2900	3100	3300	3500	3700	3900	4100	4300	4500
Ratio between harmonic currents and fundamental harmonic current [%]	0.050	0.050	0.080	0.040	0.030	0.030	0.020	0.020	0.010	0.010	0.020	0.020	0.020
Frequency [Hz]	4700	4900	5100	5300	5500	5700	5900	6100	6300	6500	6700	6900	7100
Ratio between harmonic currents and fundamental harmonic current [%]	0.010	0.010	0.010	0.010	0.020	0.050	0.100	0.100	0.040	0.010	0.010	0.010	0.010
Frequency [Hz]	7300	7500	7700	7900	8100	8300	8500	8700	8900				
Ratio between harmonic currents and fundamental harmonic current [%]	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010				

Interharmonics

Frequency [Hz]	75	125	175	225	275	325	375	425	475	525	575	625	675
Ratio between harmonic currents and fundamental harmonic current [%]	0.070	0.030	0.020	0.020	0.010	0.020	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Frequency [Hz]	725	775	825	875	925	975	1025	1075	1125	1175	1225	1275	1325
Ratio between harmonic currents and fundamental harmonic current [%]	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Frequency [Hz]	1375	1425	1475	1525	1575	1625	1675	1725	1775	1825	1875	1925	1975
Ratio between harmonic currents and fundamental harmonic current [%]	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010

Biel/Bienne, 05.04.2013

Sputnik Engineering AG



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