

# Declaration of Conformity

## Harmonic Currents

Inverter: **SolarMax 4200S / 6000S**

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

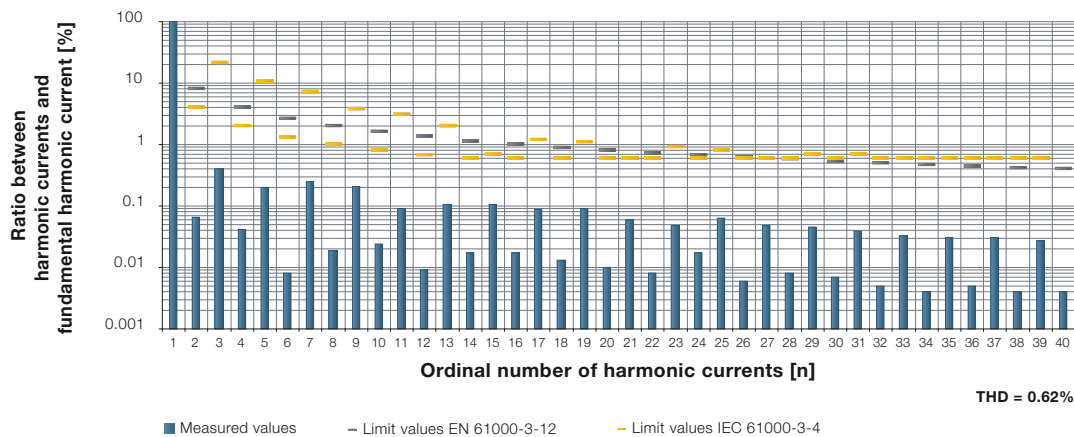
Relevant standard: EN 61000-3-12 / IEC 61000-3-4

### Measured values:

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

Harmonic number [n]	2	3	4	5	6	7	8	9	10	11	12	13	14
$I_n/I_1$ [%]	0.07	0.40	0.04	0.20	0.01	0.25	0.02	0.21	0.02	0.10	0.01	0.11	0.02
Harmonic number [n]	15	16	17	18	19	20	21	22	23	24	25	26	27
$I_n/I_1$ [%]	0.11	0.02	0.09	0.01	0.09	0.01	0.06	0.01	0.05	0.02	0.06	0.01	0.05
Harmonic number [n]	28	29	30	31	32	33	34	35	36	37	38	39	40
$I_n/I_1$ [%]	0.02	0.05	0.01	0.04	0.01	0.03	0.00	0.03	0.00	0.03	0.00	0.03	0.00

Harmonic currents at rated output  
SolarMax 4200S / 6000S  
( $R_{sc} = 33$ )



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Sputnik Engineering AG

Andreas Mader