

Declaration of Conformity

Harmonic Currents

Inverter: **SolarMax 360TS-SV**

Company: Sputnik Engineering AG
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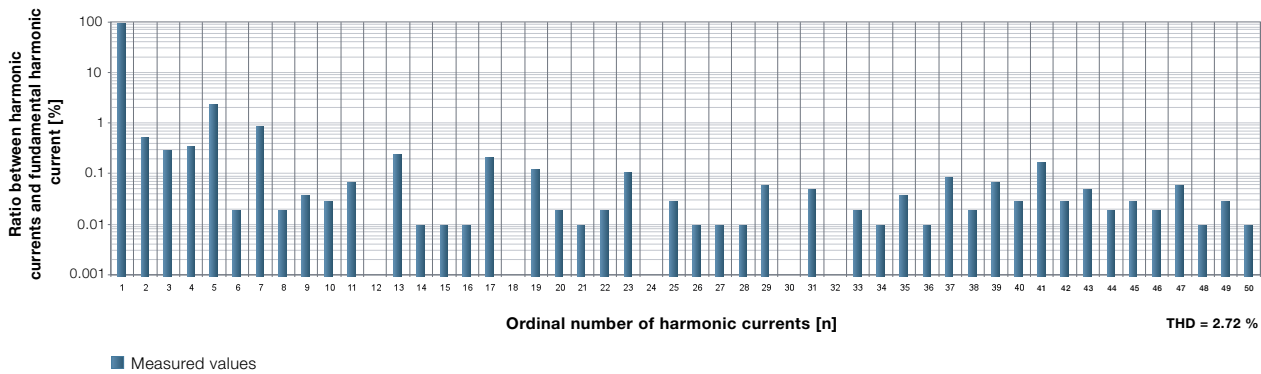
Measured values:

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 [%] | 0.540 | 0.300 | 0.360 | 2.410 | 0.020 | 0.920 | 0.020 | 0.040 | 0.030 | 0.070 | 0.000 | 0.250 | 0.010 |
| Ordinal number [n] | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| I_n/I_1 [%] | 0.010 | 0.010 | 0.230 | 0.000 | 0.130 | 0.020 | 0.010 | 0.020 | 0.110 | 0.000 | 0.030 | 0.010 | 0.010 |
| Ordinal number [n] | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| I_n/I_1 [%] | 0.010 | 0.060 | 0.000 | 0.050 | 0.000 | 0.020 | 0.010 | 0.040 | 0.010 | 0.090 | 0.020 | 0.070 | 0.030 |
| Ordinal number [n] | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | | | |
| I_n/I_1 [%] | 0.180 | 0.030 | 0.050 | 0.020 | 0.030 | 0.020 | 0.060 | 0.010 | 0.030 | 0.010 | | | |

Reference current I_1 : 659.8A

Harmonic currents at rated output power
SolarMax 360TS-SV



Higher Frequencies

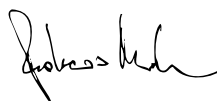
| | | | | | | | | | | | | | |
|----------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Frequency [Hz] | 2100 | 2300 | 2500 | 2700 | 2900 | 3100 | 3300 | 3500 | 3700 | 3900 | 4100 | 4300 | 4500 |
| Ratio between harmonic currents and fundamental harmonic current [%] | 0.210 | 0.090 | 0.040 | 0.040 | 0.020 | 0.010 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Frequency [Hz] | 4700 | 4900 | 5100 | 5300 | 5500 | 5700 | 5900 | 6100 | 6300 | 6500 | 6700 | 6900 | 7100 |
| Ratio between harmonic currents and fundamental harmonic current [%] | 0.000 | 0.000 | 0.000 | 0.010 | 0.010 | 0.010 | 0.070 | 0.060 | 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 [%] | 0.040 | 0.040 | 0.030 | 0.030 | 0.020 | 0.010 | 0.030 | 0.010 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 |
| Frequency [Hz] | 725 | 775 | 825 | 875 | 925 | 975 | 1025 | 1075 | 1125 | 1175 | 1225 | 1275 | 1325 |
| Ratio between harmonic currents and fundamental harmonic current [%] | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Frequency [Hz] | 1375 | 1425 | 1475 | 1525 | 1575 | 1625 | 1675 | 1725 | 1775 | 1825 | 1875 | 1925 | 1975 |
| Ratio between harmonic currents and fundamental harmonic current [%] | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.010 | 0.010 | 0.010 | 0.010 | 0.020 | 0.030 | 0.030 | 0.040 |

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