

Wels, July 27th 2019

FLICKER INFORMATION FRONIUS SYMO 3.0 – 20.0

Fronius International GmbH

Flicker Values D_{MAX} , P_{ST} and P_{LT}

Inverter type	D_{MAX}	P_{ST}	P_{LT}
Fronius Symo 3.0-3-S	0,063 %	0,028	0,028
Fronius Symo 3.7-3-S	0,063 %	0,028	0,028
Fronius Symo 4.5-3-S	0,063 %	0,028	0,028
Fronius Symo 3.0-3-M	0,27 %	0,188	0,181
Fronius Symo 3.7-3-M	0,27 %	0,188	0,181
Fronius Symo 4.5-3-M	0,27 %	0,188	0,181
Fronius Symo 5.0-3-M	0,27 %	0,188	0,181
Fronius Symo 6.0-3-M	0,27 %	0,188	0,181
Fronius Symo 7.0-3-M	0,27 %	0,188	0,181
Fronius Symo 8.2-3-M	0,27 %	0,188	0,181
Fronius Symo 10.0-3-M	0,96 %	0,061	0,12
Fronius Symo 12.5-3-M	1,05 %	0,21	0,18
Fronius Symo 15.0-3-M	2,07 %	0,039	0,12
Fronius Symo 17.5-3-M	2,07 %	0,039	0,12
Fronius Symo 20.0-3-M	2,07 %	0,039	0,12

Steady-State voltage change d_c

The maximum relative steady-state voltage change d_c was calculated based on the measured line current and the reference impedance Z_{REF} given in EN 61000-3-3 and EN 61000-3-11. The permissible value for d_c is 3,3%. The results are given in table 1.

Steady state voltage change d_c according to EN 61000-3-11

Inverter type	Steady state voltage change d_c
Fronius Symo 3.0-3-S	0,016 %
Fronius Symo 3.7-3-S	0,016 %
Fronius Symo 4.5-3-S	0,016 %
Fronius Symo 3.0-3-M	1,04 %



Fronius Symo 3.7-3-M	1,04 %
Fronius Symo 4.5-3-M	1,04 %
Fronius Symo 5.0-3-M	1,04 %
Fronius Symo 6.0-3-M	1,04 %
Fronius Symo 7.0-3-M	1,04 %
Fronius Symo 8.2-3-M	1,04 %
Fronius Symo 10.0-3-M	1,24 %
Fronius Symo 12.5-3-M	1,53 %
Fronius Symo 15.0-3-M	3,02 %
Fronius Symo 17.5-3-M	3,02 %
Fronius Symo 20.0-3-M	3,02 %

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