

## Flicker Information Fronius Verto

### Fronius International GmbH

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

| Inverter type      | D <sub>MAX</sub> | P <sub>ST</sub> | P <sub>LT</sub> |
|--------------------|------------------|-----------------|-----------------|
| Fronius Verto 25.0 | 0,630 %          | 0,371           | 0,184           |
| Fronius Verto 27.0 | 0,660 %          | 0,396           | 0,190           |
| Fronius Verto 30.0 | 0,770 %          | 0,706           | 0,312           |
| Fronius Verto 33.3 | 0,840 %          | 0,227           | 0,130           |

#### 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 Verto 25.0 | 0,97 %                            |
| Fronius Verto 27.0 | 0,99 %                            |
| Fronius Verto 30.0 | 1,55 %                            |
| Fronius Verto 33.3 | 1,70 %                            |

#### Fronius International GmbH

Business Unit Solar Energy

Froniusplatz 1

4600 Wels



FRONIUS INTERNATIONAL GMBH  
Froniusplatz 1, 4600 Wels  
Tel: +43 (0)7242 241-0, Fax: 241-3013

Philipp Rechberger

Head of System Technology