



Wels, September 08th 2016

COMPLIANCE PROTECTION PHILOSOPHY FRONIUS PRIMO

Fronius International GmbH

hereby confirms that the inverters

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| / Fronius Primo 3.8-1 208-240 | / Fronius Primo 8.2-1 208-480 Light |
| / Fronius Primo 3.8-1 208-240 Light | / Fronius Primo 10.0-1 208-240 |
| / Fronius Primo 5.0-1 208-240 | / Fronius Primo 10.0-1 208-240 Light |
| / Fronius Primo 5.0-1 208-240 Light | / Fronius Primo 11.4-1 208-240 |
| / Fronius Primo 6.0-1 208-240 | / Fronius Primo 11.4-1 208-240 Light |
| / Fronius Primo 6.0-1 208-240 Light | / Fronius Primo 12.5-1 208-240 |
| / Fronius Primo 7.6-1 208-240 | / Fronius Primo 12.5-1 208-240 Light |
| / Fronius Primo 7.6-1 208-240 Light | / Fronius Primo 15.0-1 208-240 |
| / Fronius Primo 8.2-1 208-480 | / Fronius Primo 15.0-1 208-240 Light |

comply with the following Protection Philosophy:

Internal faults:

Fronius inverters are designed and tested according to UL 1741 Standard.

External phase and ground faults:

The inverter switches off immediately at short circuits. It does not provide short circuit current.

Abnormal system conditions:

At abnormal conditions at the connection to the electric power system the inverter acts in accordance to IEEE 1547 (and is tested according to IEEE 1547.1). This standard explains e.g. response (tripping matrix) to abnormal voltage (chapter 4.2.3, Table 1) and abnormal frequencies (chapter 4.2.4., Table 2).

Islanding:

Requirements for a protection against unintentional islanding are fulfilled and tested according to IEEE 1547 (1547.1).

Synchronization sequence:

All grid parameters are monitored and have to be within the parameters according to IEEE 1547 for 5 min before connection or reconnection. There can never be an inrush current >1 per unit.

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