

**Technology**

Inverter power	500 kVA
Power electronics type	IGBT / Self-commutated
Rated operating voltage	370 V
Nominal cos phi	≈ 1
Grid connection	Three-phase
Automatic disconnection device in accordance with DIN V VDE V 0126-1-1:2006-02	Yes

**Operating behaviour in the event of a short circuit at the inverter output**

Maximum peak current (I <sub>p</sub> )	3980 A
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**Operating behaviour in the event of a three-phase short circuit at the inverter output at T<sub>0</sub>**

A T <sub>0</sub> + t	Root-mean-square value with symmetrical feed-in
T <sub>0</sub> + 50 ms	780 A
T <sub>0</sub> + 100 ms	780 A
T <sub>0</sub> + 250 ms	0 A
T <sub>0</sub> + 1000 ms (or before possible decoupling)	0 A

**Operating behaviour in the event of a dual-phase short circuit at the inverter output with voltage dip of 50 % at T<sub>0</sub>**

A T <sub>0</sub> + t	Root-mean-square value with symmetrical feed-in
T <sub>0</sub> + 50 ms	780 A
T <sub>0</sub> + 100 ms	780 A
T <sub>0</sub> + 250 ms	0 A
T <sub>0</sub> + 1000 ms (or before possible decoupling)	0 A