

## Technology

Inverter power	1000 kVA
Power electronics type	Self-commutated
Rated operating voltage	370 V
Nominal cos phi	$\approx 1$
Grid connection	Three-phase
Automatic disconnection device in accordance with DIN V VDE V 0126-1-1:2006-02	Yes (certificate included)
Inverter impedance at 175 Hz	$R_{175\text{Hz}} \approx 0.236\Omega$ , $X_{175\text{Hz}} \approx -0.074\Omega$ , $Z_{175\text{Hz}} \approx 0.248e^{-j18^\circ}\Omega$

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

Maximum peak current (Ip)	4375 A
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## Operating behaviour in the event of a three-phase short circuit at the inverter output at T0

A T0 + t	Root-mean-square value with symmetrical feed-in
T0 + 50 ms	1560 A
T0 + 100 ms	1560 A
T0 + 250 ms	A
T0 + 1000 ms (or before possible decoupling)	A

## Operating behaviour in the event of a dual-phase short circuit at the inverter output with voltage dip of 50% at T0

A T0 + t	Root-mean-square value with symmetrical feed-in
T0 + 50 ms	1560 A
T0 + 100 ms	1560 A
T0 + 250 ms	A
T0 + 1000 ms (or before possible decoupling)	A