Fronius
SHIFTING THE LIMITS

Wels, April 22nd 2016

RIDE THROUGH, TRIP AND RECONNECTION GRENADA FRONIUS PRIMO

Fronius International GmbH

confirms that the requirements for inverter interconnection in Grenada shown in Table 1 and Table 2 can be fulfilled with correct setting of the parameter in the inverter service menu.

Voltage Range (% of base voltage)	Required Response	Clearing Time (s)	Reconnection Delay (s)
V ≥ 120%	Disconnection	0.2	180-300
120% >V ≥ 104%	Ride Through	1	180-300
104% > V ≥ 92% (Normal Voltage)	Normal Operation	N/A	N/A
92% > V ≥ 50%	Ride Through	10-20	180-300
V < 50%	Disconnection	0.2	180-300

Table 1: DG Facility Response to Abnormal Voltages[1]

Frequency Range (Hz)	Required Response	Clearing Time (s)	Reconnection Delay (s)
F ≥ 53	Disconnection	0.2	180-300
53 >F ≥ 51.5	Ride Through	20	180-300
51.5 > F ≥ 48.5 (Normal Frequency)	Normal Operation	N/A	N/A
48.5 > V ≥ 47	Ride Through	20	180-300
V < 47	Disconnection	0.2	180-300

Table 2: DG Facility Response to Abnormal Frequencies[2]

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