

Wels, June 24th 2014

FRONIUS INVERTERS WITH BRAZILIAN SETUP

Fronius International GmbH

confirms that Fronius inverters with the Brazilian Setup have the following settings.

/ Disconnection:

Voltage Trip Limits	Voltage Trip Time
V < 80 %	0.4 sec (24p)
V > 110 %	0.2 sec (12p)

Frequency Trip Limits	Frequency Trip Time
f < 57,5 Hz	0.2 sec (24p)
f < 62 Hz	0.2 sec (12p)

/ Reconnection:

Frequency Reconnection Range	Voltage Reconnection Range	Observation Time
59.9 Hz < f < 60.1 Hz	80 % < V < 110 %	20 sec (1200p)

The reference voltage for this settings is 220V (single phase inverter; connection phase-phase or phase-neutral) and 380V/220V (three phase inverter WYE connection).

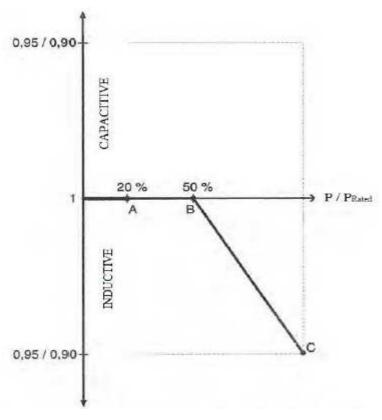
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/ Power Factor:

A reactive power factor can be set in the range of at least 0.85 (ind) to 0.85 (cap). For setup BR1 / S the standard setting is cosphi = 1.

For setup BR2 / M and BR 3 / L the standard setting is according to this curve:



For setup BR2 / M the standard setting of point C is 0.95 (ind). For setup BR3 / L the standard setting of point C is 0.90 (ind). The curve is configurable.

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