

## Schneider Inverters

Some Schneider inverters have shipped to GB with incorrect voltage and frequency protection settings. Owners must ensure that these are reset to G59 or G99 values.

Owners will need to contact Schneider: ewan.borthwick@se.com 07793 758886.

### Conext Core XC Inverters:

Conext Core XC inverters intended for the GB market do not have RoCoF or VS implemented in them by default. However owners must check that this is the case for the inverters they own and that the frequency limits that are set are consistent with G59 requirements. Frequency settings in Conext Core XC inverters should be set as follows:

Where there is not a separate/discrete G59 relay(s) fitted:

O/F stage 1 set to 52.0Hz, 500ms

O/F stage 2 set to >> 52Hz (eg 55Hz); time delay immaterial.

U/F stage 1 set to 47.5Hz, 20s

U/F stage 2 set to 47.0Hz, 500ms

In this case, stage 1 becomes the only effective O/F set conventionally at 52Hz, 500ms definite time delay (ie the G99 setting).

Where a separate/discrete G59 relay(s) is installed:

O/F Stage 1: 55Hz; Stage 2: 70Hz – time delay immaterial.

U/F Stage 1: 46.5Hz; Stage 2 46.0Hz – again time delay immaterial

In this case the G59 relay will always operate before the settings on the inverter are reached.

### Xantrex GT Inverters

Xantrex GT Inverters shipped to GB do not have RoCoF or VS implemented in them by default.

However owners must check that this is the case for the inverters they own and that the frequency limits that are set are consistent with G59 requirements. Frequency settings in Xantrex GT inverters should be set as follows:

Where there is not a separate/discrete G59 relay(s) fitted:

O/F set to 52.0Hz, 500ms

U/F set to 47.0Hz, 500ms

Where a separate/discrete G59 relay(s) is installed:

O/F: 53.0Hz; – time delay immaterial.

U/F: 47.0Hz; time delay 2s

In this case the G59 relay will always operate before the settings on the inverter are reached.

### Conext CL 25000E and 20000E String Inverters

Conext CL string inverters were shipped with fixed firmware implementing G59. The firmware does not use RoCoF or vector shift for loss of mains. The frequency settings are compliant with G59. The Programme believes that there are no adjustments necessary to these inverters. It is the owner's responsibility to confirm that the firmware is GB version for G59.

### Conext TL Inverters

Please contact Schneider at the details above to establish what the compliance needs are for Conext TL inverters. Please provide the specific model numbers if possible.