

Decision Tree for the Distributed Generation Connection Guide

There are three separate Distributed Generation Connection Guides. This flowchart guides you to the most relevant Connection Guide for the Distributed Generation you are planning to install. The Guides can be found on the Distribution Generation section of the ENA website:

www.energynetworks.org

Size of your generating plant within any single premises

Is your generating plant (aggregated installed capacity if there are two or more units) ≤ 16 Amps per phase?

I.e. Is its rating ≤ 11.04 kW for 3-phase generating unit?

Or is its rating ≤ 3.68 kW for single-phase generating unit?

NO

YES

Voltage level of connection

Is your generating plant:
Connected at 230 V for a single-phase system?
Connected at 400 V for a 3-phase system?

NO

YES

Number of premises

In how many premises are you planning to install generating plant?

1

More than 1

Guide for G83/2 Single Premises

Guide for G83/2 Multiple Premises

Guide for G59/2

Examples of Distributed Generation with a rating ≤ 16 Amps per phase, which is ≤ 11.04 kW 3-phase and ≤ 3.68 kW single-phase



PV system:

Size < 30 m²

Or < 15 large panels

Or < 20 small to medium PV panels



Wind:

QR5 turbine: Rated 6 kW with a rotating section of 5 m height



Bergey wind turbine:
A) Rated 1.0 kW with a diameter of 2.5 m
B) Rated 7.5 to 10.0 kW with a diameter of 7 m



Proven 7: Rated 3.2 kW with a diameter of 3.5 m

Proven 11: Rated 11 kW with a diameter of 5.5 m

Combined Heat and Power (CHP):

A micro-CHP plant rated 6 kW (3-phase) (the size of a big dishwasher 0.8 x 1 x 1m)