

Direct Grid DGM-460 3-Phase Interconnection

European 230VAC, 50Hz

This technical note describes a 3-phase interconnection between three AC arrays of DGM-460 micro-inverters, with each array consisting of 9 micro-inverters in parallel connecting to a phase.

Example: 18 module AC array length (1 micro inverter per 2 modules)*

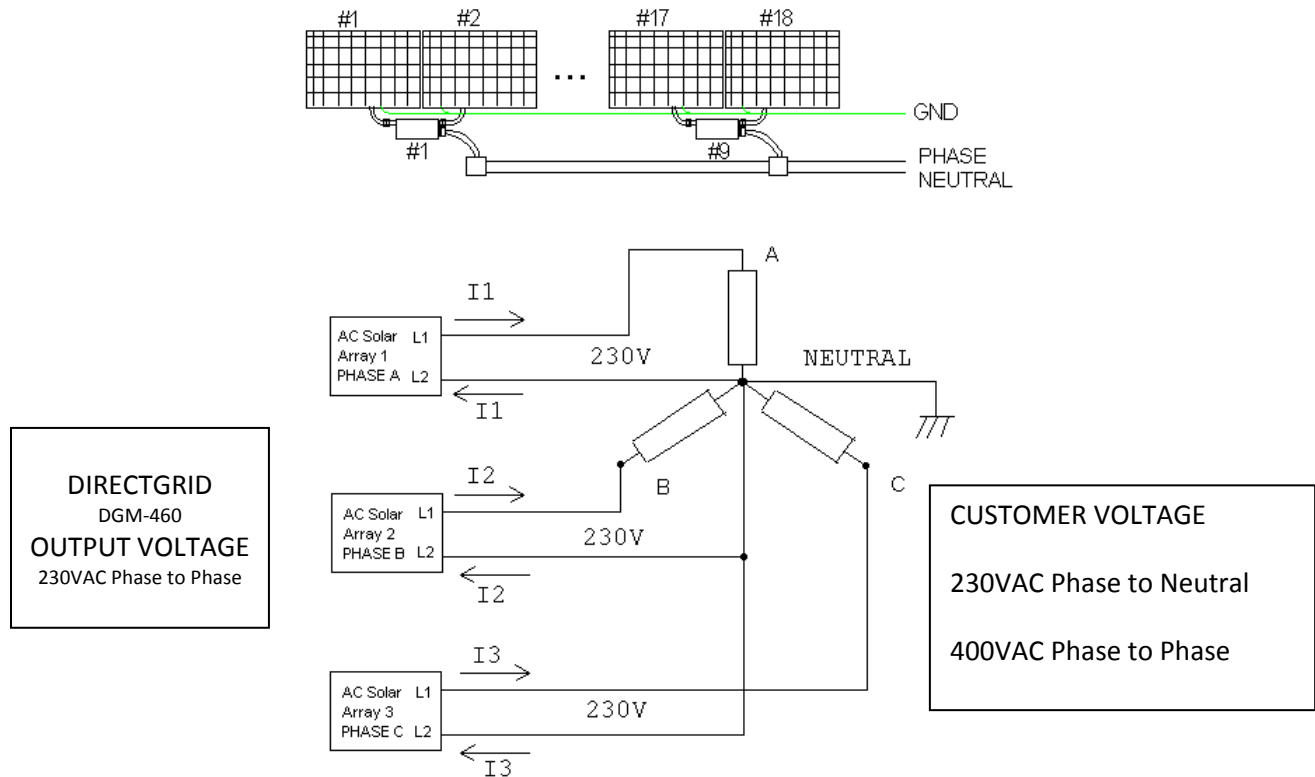
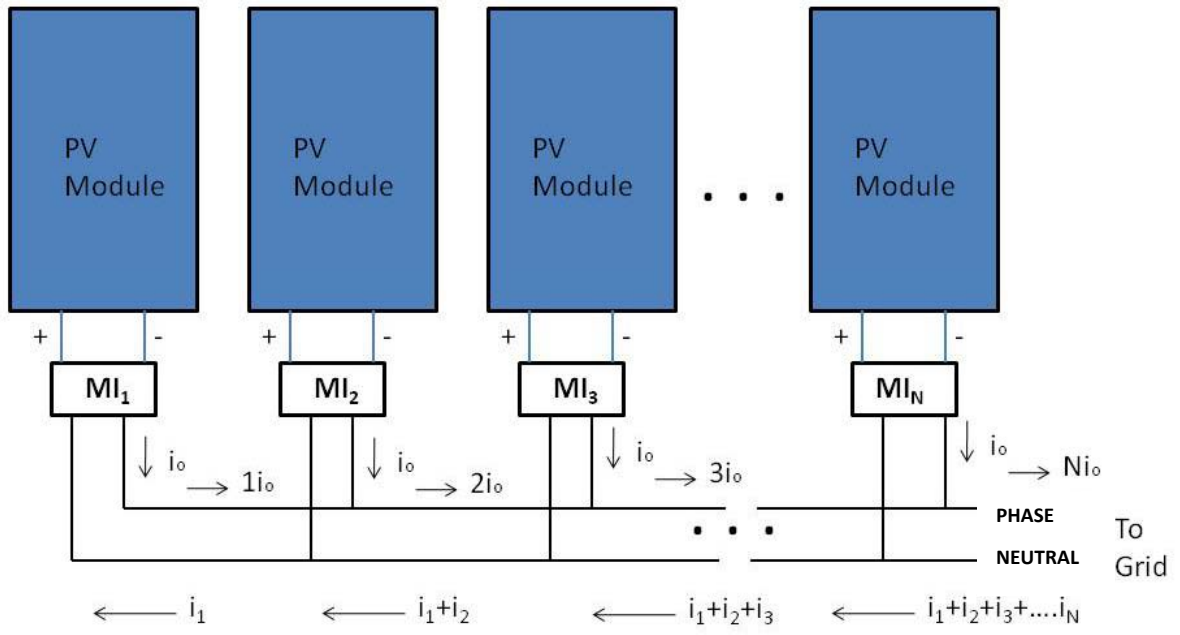


Figure 1: Three Arrays of Micro-Inverters, 3-Phase System

* While this example demonstrates a branch of 27 units, the maximum allowable number of micro-inverters in a branch depends on the trunk wiring amperage limitation. Each micro-inverter's AC output is wired in parallel. As a result, the current is increased by i_o at each node. Please check the micro-inverter current rating and wiring specifications to determine the maximum number of units per AC branch. See figure 2 for details.



i_o = Maximum current for each micro-inverter

Figure 2: Maximum Micro-inverters on a Branch

Questions? Contact Direct Grid Customer Support at 631-242-1900 or email us at info@directgrid.com.