DENRYO DIASINE® Quick Start Guide for Parallel Ver.1.00E

（1）AC Wiring

Up to 6 units

LOAD
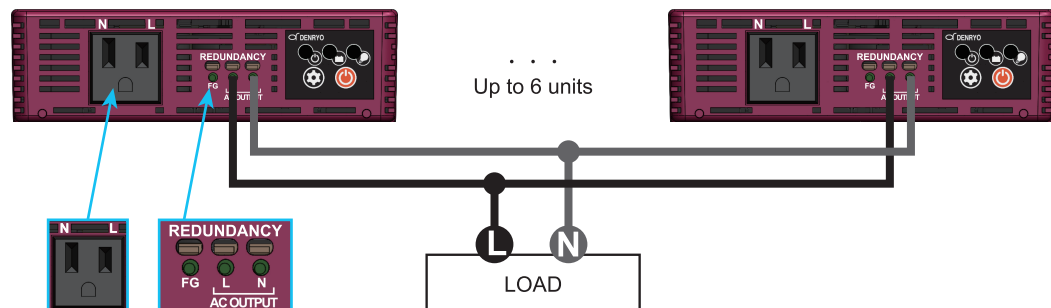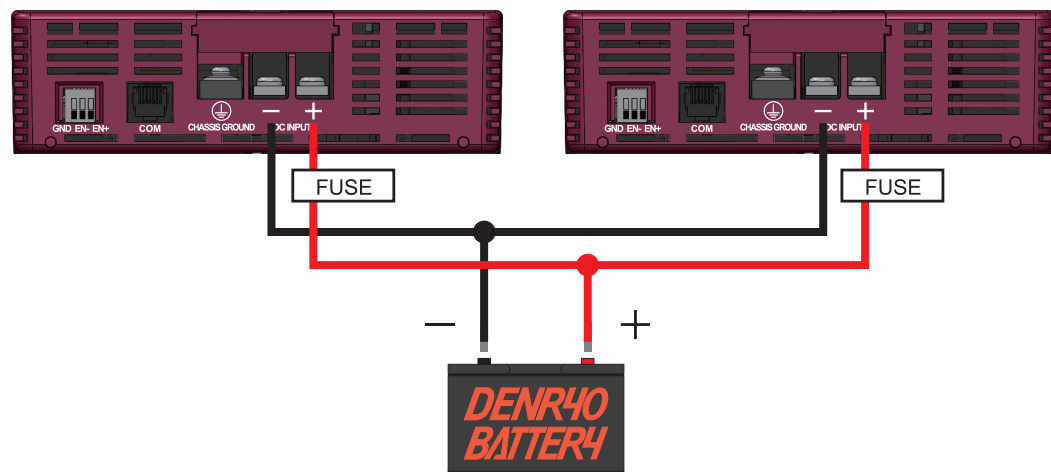
①Connect each line(L) and connect each neutral(N) in a junction box (*1 *2 *3).
Maximum parallel operation is 6 units.
②Connect the connection point of line to the line of the load, connect the connection point of neutral to the neutral of the load.
*Use cables having the same size and length between the connection point and each AC output.

（2）DC Wiring

FUSE

FUSE

DENRYO BATTERY

①Connect each DC input terminal (+) and connect each DC input terminal (-) in a junction box respectively (*4 *5).
Connect the grounding terminal to earth ground if necessary.
②Connect the connection point of (+) to the positive side of battery, connect the connection point of (-) to the negative side of battery.
Put the fuse between battery and the connection point on the positive side if necessary.
The LED near the grounding terminal will show red if reverse polarity, please correct the wiring again.
*Recommended length of battery wire should be as short as possible and same size and length between the joint and each inverter.

CAUTION

To prevent accidents and breakdowns, carefully read through the User's manual and the bellow safety instructions before parallel operation.
*1 Do not connect the commercial power in parallel.
*2 Before installing, you need to ensure that the power are "OFF".
*3 Do not connect AC line(L) to neutral(N) , connect each output with the same polarity as shown on the case.

（3）Startup

Before using the parallel function, you need to set voltage and frequency of all units to the same setup mode (*6). Press each power button in arbitrary order.

LED of first unit   LED of following units

After the startup sound, power LED blinks green. This mode is output disable.
When Remote is operating, power LED blinks blue.

Push any setting button and power button simultaneously.
After the startup sound, all LEDs of one unit are "ON" and output starts.

All LED of the others are "ON" and output starts automatically.

（4）Stop

After stopping the load. Press down each power button in arbitrary order.

The one unit stop output and back to standby mode. Press down power button of the others.

All units back to standby mode and stop output.

*4 Recommended size of battery wire should be as large as acceptable total current of multiple inverters.
*5 You can connect each inverter to isolated battery banks but you need monitor each battery bank for suitable operation.
*6 Do not set "single output mode" when you use parallel function.