

# Equipment test for regions with unstable voltages

**KEY WORDS**

- AC power source
- 310 Vrms output
- Voltage fluctuation test

**PRODUCTS**

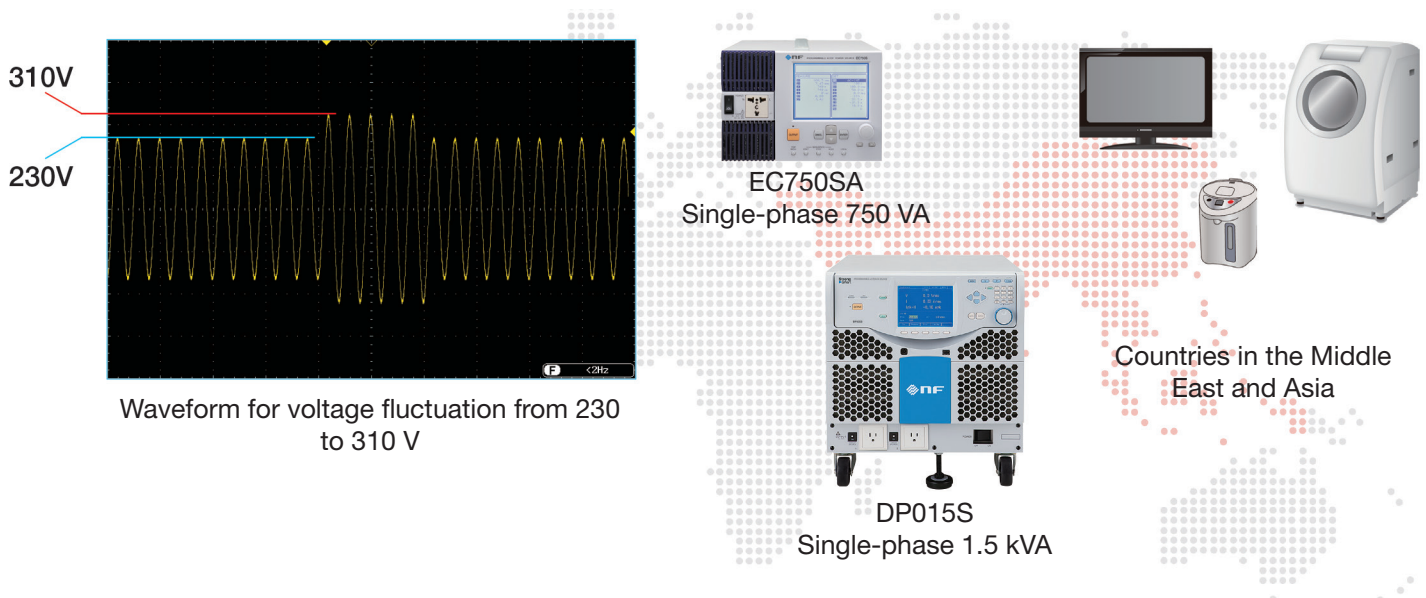
Programmable AC power source EC series/DP series/KP series

Single-phase two-wire commercial AC power sources vary among countries and regions: 230 V are used in some regions and 240 V in some other regions. Considering fluctuation in power supply voltages, equipments connected to commercial power sources are generally tested by setting the fluctuation within the range of  $\pm 10\%$ . In some countries in Asia and the Middle East, however, voltages may fluctuate outside the range due to poor power conditions, and equipment breakdowns have been reported even though the equipments were tested by setting the fluctuation within  $\pm 10\%$ . NF's AC power sources allow you to conduct testing with a larger fluctuation range exceeding  $\pm 30\%$ .

## ● Programmable AC power source EC series/DP series/KP series

- ▶ The maximum output voltage is 310 Vrms.
- ▶ For 230 Vrms regions, testing for voltages exceeding  $\pm 30\%$  is possible.
- ▶ By using the sequence function included in the standard package, you can conduct testing while easily switching between rated values and fluctuation values.

### Example of voltage fluctuation test



- Programmable AC power sources are used to verify operation of equipments and conduct various tests.
- The maximum output voltage is 310 Vrms. In the case of 230 Vrms and 240 Vrms, testing is available with fluctuation up to +34% and +29%, respectively.
- Select the product according to the input current (power capacity) of the target equipments. In case that the test voltage is 310 Vrms, the maximum current of EC750SA and EC1000SA are 2.4 Arms (750VA) and 3.2 Arms (1000VA), respectively. DP and KP series are suitable for tests requiring higher current.