Test for LED drivers whose input voltage exceeds 300 V

KEY WORDS ▼

- AC power source • 310 Vrms output • LED driving power source

PRODUCTS ▼

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

For testing devices connected to single-phase two-wire commercial power sources, AC power sources suitable for the input specification should be used. For example, input voltages of some LED driving power sources for outdoor-lighting exceed 300 V. For testing such a large load, you need AC power sources capable of outputting voltages that meet the input specification.

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

▶ The maximum output voltage is 310 Vrms, supporting LED driving power sources (LED drivers) for outdoor-lighting with input voltage of 305 Vrms.

▶ You can select the optimal capacity from an extensive lineup of output capacities: including 750 VA/1 kVA/1.5 kVA/3kVA.

Example of DUT

Unit type LED driver
Input power range: 90 V - 305 Vac

Power sources for testing

Output voltage range: 0 V - 310 Vac
Frequency range: 1 Hz - 550 Hz

EC750SA
Single-phase 750 VA

DP015S
Single-phase 1.5 kVA

■ Programmable AC power sources are used to verify operation of devices and conduct various tests. The maximum voltage output of 310 Vrms is possible.

■ Select the power source capacity according to the input current of the target device. In case that the voltage is 310 Vrms, the maximum current of EC750SA and EC1000SA are 2.4 Arms (750 VA) and 3.2 Arms (1000 VA), respectively.
DP and KP series are suitable for tests requiring higher current.

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Programmable AC power source

- An extensive lineup includes variety of capacities ranging from low to high capacity.
  EC series: single-phase 750 VA/1 kVA
  KP series: single-phase 3 kVA
  DP series: single-phase 1.5 kVA - 48 kVA

- Sequence function (You can program output patterns as you like.)
- Measurement function (voltage, current, power, frequency, power factor, crest factor (CF), harmonic current, etc.)
- Current limiter function
- Protection function

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