

# Damped Oscillatory Wave Coupling and Decoupling Network

## CDN-183100H 【Introduction】

The CDN 183100H coupling and decoupling network, when paired with Lioncel's self-developed damped oscillatory wave generator, achieves an upgrade in network capacity. Its excellent coupling and decoupling performance meets the requirements of standard IEC 61000-4-18.

The upgradable damped oscillatory wave generator offers a test current capacity of up to 100 A for the device under test (DUT). It is primarily designed to meet the testing requirements for products such as renewable energy systems and electric vehicle charging stations. (Note: The sentence about the upgradable current capacity of 100 A was repeated in your original text, so it has been included only once in the translation.)

### Compliance Standards

IEC 61000-4-18 EN 61000-4-18 GB/T 17626.1800-4-5 GB/T 17626.5

### Application Fields

Industrial Equipment, Power Instrumentation, Instrumentation and Meters

### Parameter List

Specification	CND-183100H
Interference Type	Damped Oscillatory Wave
Test Frequency	100 kHz, 1 MHz
Coupling Voltage	$\leq 3$ kV
Capacity of DUT	AC: Three-phase with five wires, 900 V/100 A (Compatible with single-phase device testing) DC: 1500 V/100 A
Interface	RS485, programmable
Rise Time	75 ns $\pm$ 20%
Voltage Decay	VPK5 > 50%* VPK1, VPK10 < 50%*VPK1