

# QDTB® TRANSFORMER

## UDG

Single Phase Transformers

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PRODUCT DATASHEET

Shandong Yaqing Electric Power Technology Co., Ltd.  
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# UDG — Series Overview

UDG 1:1 isolation transformers isolate sensitive equipment from mains noise. 1-10 kVA, 220 V to 220 V, for machinery and control systems.

## Key Features

- 1:1 isolation for imported equipment voltage matching
- 1-10 kVA range for machinery and control systems
- Suppresses harmonics and common-mode noise
- Compact dry-type design

## Typical Applications

- Industrial power systems
- Commercial buildings
- Infrastructure projects

# Model Specifications

10 model(s) in the UDG series. Weight and dimensions are typical reference values, subject to confirmation.

| Model     | Rated Capacity | Input Voltage | Output Voltage | Frequency | Efficiency | Temp. Rise Limit | Impedance Voltage | Insulation Class | Weight (kg) † | Dimensions (L×W×H) † |
|-----------|----------------|---------------|----------------|-----------|------------|------------------|-------------------|------------------|---------------|----------------------|
| UDG-1KVA  | 1000 VA        | 220V          | 220V           | 50/60     | ≥93%       | ≤65 K            | ≤8%               | Class B (130°C)  | 130 kg        | 400×340×390 mm       |
| UDG-2KVA  | 2000 VA        | 220V          | 220V           | 50/60     | ≥93%       | ≤65 K            | ≤8%               | Class B (130°C)  | 130 kg        | 400×340×390 mm       |
| UDG-3KVA  | 3000 VA        | 220V          | 220V           | 50/60     | ≥93%       | ≤65 K            | ≤8%               | Class B (130°C)  | 130 kg        | 400×340×390 mm       |
| UDG-4KVA  | 4000 VA        | 220V          | 220V           | 50/60     | ≥93%       | ≤65 K            | ≤8%               | Class B (130°C)  | 130 kg        | 400×340×390 mm       |
| UDG-5KVA  | 5000 VA        | 220V          | 220V           | 50/60     | ≥93%       | ≤65 K            | ≤8%               | Class B (130°C)  | 130 kg        | 400×340×390 mm       |
| UDG-6KVA  | 6000 VA        | 220V          | 220V           | 50/60     | ≥93%       | ≤65 K            | ≤8%               | Class B (130°C)  | 130 kg        | 400×340×390 mm       |
| UDG-7KVA  | 7000 VA        | 220V          | 220V           | 50/60     | ≥93%       | ≤65 K            | ≤8%               | Class B (130°C)  | 130 kg        | 400×340×390 mm       |
| UDG-8KVA  | 8000 VA        | 220V          | 220V           | 50/60     | ≥93%       | ≤65 K            | ≤8%               | Class B (130°C)  | 130 kg        | 400×340×390 mm       |
| UDG-9KVA  | 9000 VA        | 220V          | 220V           | 50/60     | ≥93%       | ≤65 K            | ≤8%               | Class B (130°C)  | 130 kg        | 400×340×390 mm       |
| UDG-10KVA | 10000 VA       | 220V          | 220V           | 50/60     | ≥93%       | ≤65 K            | ≤8%               | Class B (130°C)  | 130 kg        | 400×340×390 mm       |

† Typical values, subject to confirmation. Final dimensions and weights are per factory GA drawings and routine test reports.

# Standards & Certification

ISO 9001 Certified — Quality Management System

CE marking — available on selected models

Design and testing per IEC 60076, IEC 60076-11 (dry-type), IEC 61330 (substations), GB 1094 and related international standards.

*Note: Certification details and test reports are provided upon request for the specific model and destination market.*

# Inquiry & Contact

|                 |                                                                                                               |
|-----------------|---------------------------------------------------------------------------------------------------------------|
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*QDTB® guarantees a response within 24 hours on business days. Send your model, capacity, voltage and quantity for a detailed quotation.*