

QDTB® TRANSFORMER

LY

Inverters (DC-AC)

PRODUCT DATASHEET

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LY — Series Overview

The LY series pure sine wave inverters convert DC power to clean AC power with pure sine wave output, suitable for sensitive electronic equipment and grid-tied applications.

Key Features

- Pure sine wave output
- High conversion efficiency >90%
- Multiple protection functions
- LCD display for monitoring

Typical Applications

- Solar power systems
- Marine vessels
- Remote area power supply
- Emergency backup power

Model Number Breakdown

L — Inverter

Y — Series designation

Model Specifications

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

Model	Rated Power	Input Voltage	Output Voltage	Waveform	Efficiency	Protection	Weight (kg) †	Dimensions (L×W×H) †
LY-0.5	0.5 kW	DC 12V/24V/36V/48V	220V	Pure sine wave	≥90%	Over-load, short-circuit, over-temperature, low-voltage	5 kg	400×200×300 mm
LY-1	1 kW	DC 12V/24V/36V/48V	220V	Pure sine wave	≥90%	Over-load, short-circuit, over-temperature, low-voltage	10 kg	400×200×300 mm
LY-2	2 kW	DC 12V/24V/36V/48V	220V	Pure sine wave	≥90%	Over-load, short-circuit, over-temperature, low-voltage	20 kg	400×200×300 mm
LY-3	3 kW	DC 12V/24V/36V/48V	220V	Pure sine wave	≥90%	Over-load, short-circuit, over-temperature, low-voltage	30 kg	640×250×320 mm
LY-5	5 kW	DC 12V/24V/36V/48V	220V	Pure sine wave	≥90%	Over-load, short-circuit, over-temperature, low-voltage	50 kg	640×250×320 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.