

QDTB® TRANSFORMER

KC

Battery Chargers

PRODUCT DATASHEET

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KC — Series Overview

The KC series industrial battery chargers are designed for heavy-duty charging of large battery banks in forklifts, mining vehicles, and UPS systems.

Key Features

- Heavy-duty industrial design
- High charging current capacity
- Equalization charge function
- Battery life extension technology

Typical Applications

- Forklift battery charging
- Mining vehicle batteries
- UPS battery maintenance
- Substation DC systems

Model Number Breakdown

K — Charger

C — Industrial grade

Model Specifications

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

Model	Charge Current	Input Voltage	Output Voltage	Efficiency	Protection	Weight (kg) †	Dimensions (L×W×H) †
KC-12V-30A	360 A	220V/380V AC	12V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	4.5 kg	310×210×70 mm
KC-12V-50A	600 A	220V/380V AC	12V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	4.5 kg	310×210×70 mm
KC-24V-30A	720 A	220V/380V AC	24V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	6 kg	350×145×120 mm
KC-12V-60A	720 A	220V/380V AC	12V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	6 kg	350×145×120 mm
KC-12V-80A	960 A	220V/380V AC	12V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	6 kg	350×145×120 mm
KC-36V-30A	1080 A	220V/380V AC	36V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	6 kg	350×145×120 mm
KC-24V-50A	1200 A	220V/380V AC	24V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	6 kg	350×145×120 mm
KC-12V-100A	1200 A	220V/380V AC	12V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	6 kg	350×145×120 mm
KC-48V-30A	1440 A	220V/380V AC	48V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	6 kg	350×145×120 mm
KC-24V-60A	1440 A	220V/380V AC	24V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	6 kg	350×145×120 mm
KC-60V-30A	1800 A	220V/380V AC	60V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	11 kg	450×225×155 mm
KC-36V-50A	1800 A	220V/380V AC	36V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	11 kg	450×225×155 mm
KC-12V-150A	1800 A	220V/380V AC	12V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	11 kg	450×225×155 mm
KC-24V-80A	1920 A	220V/380V AC	24V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	11 kg	450×225×155 mm
KC-36V-60A	2160 A	220V/380V AC	36V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	11 kg	450×225×155 mm
KC-48V-50A	2400 A	220V/380V AC	48V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	11 kg	450×225×155 mm
KC-24V-100A	2400 A	220V/380V AC	24V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	11 kg	450×225×155 mm
KC-12V-200A	2400 A	220V/380V AC	12V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	11 kg	450×225×155 mm

Model	Charge Current	Input Voltage	Output Voltage	Efficiency	Protection	Weight (kg) †	Dimensions (L×W×H) †
KC-48V-60A	2880 A	220V/380V AC	48V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	11 kg	450×225×155 mm
KC-36V-80A	2880 A	220V/380V AC	36V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	11 kg	450×225×155 mm
KC-60V-50A	3000 A	220V/380V AC	60V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	11 kg	450×225×155 mm
KC-110V-30A	3300 A	220V/380V AC	110V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	11 kg	450×225×155 mm
KC-60V-60A	3600 A	220V/380V AC	60V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	11 kg	450×225×155 mm
KC-36V-100A	3600 A	220V/380V AC	36V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	11 kg	450×225×155 mm
KC-24V-150A	3600 A	220V/380V AC	24V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	11 kg	450×225×155 mm
KC-48V-80A	3840 A	220V/380V AC	48V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	11 kg	450×225×155 mm
KC-60V-80A	4800 A	220V/380V AC	60V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	11 kg	450×225×155 mm
KC-48V-100A	4800 A	220V/380V AC	48V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	11 kg	450×225×155 mm
KC-24V-200A	4800 A	220V/380V AC	24V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	11 kg	450×225×155 mm
KC-36V-150A	5400 A	220V/380V AC	36V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	20 kg	485×400×150 mm
KC-110V-50A	5500 A	220V/380V AC	110V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	20 kg	485×400×150 mm
KC-60V-100A	6000 A	220V/380V AC	60V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	20 kg	485×400×150 mm
KC-220V-30A	6600 A	220V/380V AC	220V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	20 kg	485×400×150 mm
KC-110V-60A	6600 A	220V/380V AC	110V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	20 kg	485×400×150 mm
KC-48V-150A	7200 A	220V/380V AC	48V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	20 kg	485×400×150 mm
KC-36V-200A	7200 A	220V/380V AC	36V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	20 kg	485×400×150 mm
KC-110V-80A	8800 A	220V/380V AC	110V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	20 kg	485×400×150 mm
KC-60V-150A	9000 A	220V/380V AC	60V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	20 kg	485×400×150 mm

Model	Charge Current	Input Voltage	Output Voltage	Efficiency	Protection	Weight (kg) †	Dimensions (L×W×H) †
KC-48V-200A	9600 A	220V/380V AC	48V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	20 kg	485×400×150 mm
KC-220V-50A	11000 A	220V/380V AC	220V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	40 kg	510×270×530 mm
KC-110V-100A	11000 A	220V/380V AC	110V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	40 kg	510×270×530 mm
KC-60V-200A	12000 A	220V/380V AC	60V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	40 kg	510×270×530 mm
KC-220V-60A	13200 A	220V/380V AC	220V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	40 kg	510×270×530 mm
KC-110V-150A	16500 A	220V/380V AC	110V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	40 kg	510×270×530 mm
KC-220V-80A	17600 A	220V/380V AC	220V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	40 kg	510×270×530 mm
KC-220V-100A	22000 A	220V/380V AC	220V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	40 kg	510×270×530 mm
KC-110V-200A	22000 A	220V/380V AC	110V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	40 kg	510×270×530 mm
KC-220V-150A	33000 A	220V/380V AC	220V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	40 kg	510×270×530 mm
KC-220V-200A	44000 A	220V/380V AC	220V	≥85%	Over-voltage, over-current, short-circuit, reverse-polarity	40 kg	510×270×530 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.