

QDTB® TRANSFORMER

Large-Adjustable

DC Power Supplies

PRODUCT DATASHEET

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Large-Adjustable — Series Overview

High-capacity adjustable DC power supplies for industrial processes requiring variable voltage and current output, including electroplating and electrolysis applications.

Key Features

- Adjustable voltage and current output
- High power capacity up to hundreds of kW
- Precise output regulation
- Industrial grade construction

Typical Applications

- Electroplating processes
- Electrolysis
- Battery testing
- Industrial heating

Model Number Breakdown

Large — High power capacity

Adjustable — Variable output

Model Specifications

35 model(s) in the Large-Adjustable series. Weight and dimensions are typical reference values, subject to confirmation.

Model	Rated Power	Input Voltage	Output Voltage	Output Current	Efficiency	Protection	Standard	Weight (kg) †	Dimensions (L×W×H) †
DC-ADJ-12V-10A	120 W	AC 220 V	0-12V	10 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	1.5 kg	226×112×58 mm
DC-ADJ-12V-20A	240 W	AC 220 V	0-12V	20 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	2 kg	240×125×65 mm
DC-ADJ-24V-10A	240 W	AC 220 V	0-24V	10 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	4.5 kg	300×150×110 mm
DC-ADJ-12V-30A	360 W	AC 220 V	0-12V	30 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	4 kg	310×210×70 mm
DC-ADJ-36V-10A	360 W	AC 220 V	0-36V	10 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	6 kg	350×145×120 mm
DC-ADJ-24V-20A	480 W	AC 220 V	0-24V	20 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	4.5 kg	300×150×110 mm
DC-ADJ-48V-10A	480 W	AC 220 V	0-48V	10 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	13 kg	450×225×155 mm
DC-ADJ-12V-50A	600 W	AC 220 V	0-12V	50 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	4.5 kg	310×210×70 mm
DC-ADJ-60V-10A	600 W	AC 220 V	0-60V	10 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	25 kg	485×400×150 mm
DC-ADJ-24V-30A	720 W	AC 220 V	0-24V	30 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	4.5 kg	300×150×110 mm
DC-ADJ-36V-20A	720 W	AC 220 V	0-36V	20 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	6 kg	350×145×120 mm
DC-ADJ-48V-20A	960 W	AC 220 V	0-48V	20 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	20 kg	485×400×150 mm
DC-ADJ-36V-30A	1080 W	AC 220 V	0-36V	30 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	11 kg	450×225×155 mm
DC-ADJ-110V-10A	1100 W	AC 220 V	0-110V	10 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	4.5 kg	300×150×110 mm
DC-ADJ-12V-100A	1200 W	AC 220 V	0-12V	100 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	2 kg	250×125×65 mm
DC-ADJ-24V-50A	1200 W	AC 220 V	0-24V	50 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	5.6 kg	350×145×120 mm
DC-ADJ-60V-20A	1200 W	AC 220 V	0-60V	20 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	40 kg	510×270×530 mm
DC-ADJ-48V-30A	1440 W	AC 220 V	0-48V	30 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	20 kg	485×400×150 mm

Model	Rated Power	Input Voltage	Output Voltage	Output Current	Efficiency	Protection	Standard	Weight (kg) †	Dimensions (L×W×H) †
DC-ADJ-36V-50A	1800 W	AC 220 V	0-36V	50 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	11 kg	450×225×155 mm
DC-ADJ-60V-30A	1800 W	AC 220 V	0-60V	30 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	6 kg	350×145×120 mm
DC-ADJ-110V-20A	2200 W	AC 220 V	0-110V	20 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	6 kg	350×145×120 mm
DC-ADJ-220V-10A	2200 W	AC 220 V	0-220V	10 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	6 kg	350×145×120 mm
DC-ADJ-24V-100A	2400 W	AC 220 V	0-24V	100 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	6 kg	350×145×120 mm
DC-ADJ-48V-50A	2400 W	AC 220 V	0-48V	50 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	20 kg	485×400×150 mm
DC-ADJ-60V-50A	3000 W	AC 220 V	0-60V	50 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	11 kg	450×225×155 mm
DC-ADJ-110V-30A	3300 W	AC 220 V	0-110V	30 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	11 kg	450×225×155 mm
DC-ADJ-36V-100A	3600 W	AC 220 V	0-36V	100 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	12 kg	450×225×155 mm
DC-ADJ-220V-20A	4400 W	AC 220 V	0-220V	20 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	11 kg	450×225×155 mm
DC-ADJ-48V-100A	4800 W	AC 220 V	0-48V	100 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	20 kg	480×460×150 mm
DC-ADJ-110V-50A	5500 W	AC 220 V	0-110V	50 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	20 kg	485×400×150 mm
DC-ADJ-60V-100A	6000 W	AC 220 V	0-60V	100 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	20 kg	485×400×150 mm
DC-ADJ-220V-30A	6600 W	AC 220 V	0-220V	30 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	20 kg	485×400×150 mm
DC-ADJ-110V-100A	11000 W	AC 220 V	0-110V	100 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	40 kg	510×270×530 mm
DC-ADJ-220V-50A	11000 W	AC 220 V	0-220V	50 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	40 kg	510×270×530 mm
DC-ADJ-220V-100A	22000 W	AC 220 V	0-220V	100 A	≥85%	Over-voltage, over-current, short-circuit	GB/T 17478, IEC 61204	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.