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Data Sheet

August 6, 2026

KEPCO

KEPCO RKW15-100K

The Kepco RKW15-100K is a reliable power supply designed for various applications. It provides stable and efficient power conversion with a compact form factor.



MODEL

Kepco RKW15-100K

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

RKW15-100K

LISTING

<https://aumictechlabs.com/products/rkw15-100k-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Kepco RKW15-100K is a 1.5 kW programmable DC power supply module delivering 15 V DC at 100 A maximum output. Built on switch-mode topology with Power Factor Correction, it accepts universal AC input (85–265 V AC, 47–66 Hz) or DC input (110–370 V DC), achieving typical efficiency of 82–86%. The unit employs a 135 kHz forward converter and 80 kHz PFC boost converter, housed in a fully enclosed, fan-cooled chassis. Output voltage adjusts from 10.5 to 18.0 V DC via external 0–5 V programming signal or resistance network. Current limit operates rectangularly with automatic recovery after transient overload; sustained overcurrent triggers shutdown after 30 seconds. Overvoltage protection shuts down output; recovery requires AC input recycle (30-second delay) or RC terminal reset. Remote error sensing compensates up to 0.4 V per load wire. Input surge protection uses thermistor circuit with fused input against shorts. Master-slave paralleling with current balancing enables multi-unit configurations. The RKW15-100K supports remote on-off control and remote voltage trimming. Conducted EMI meets FCC Class B, VCCI Class B, EN55011-B, and EN55022-B. The module conforms to EN60950 and

carries CE marking. Technical Specifications Rated Output Power: 1.5 kW (1500 W) Output Voltage: 10.5–18.0 V DC (rated 15 V DC) Maximum Output Current: 100 A DC AC Input: 85–265 V AC, 47–66 Hz, universal range DC Input Option: 110–370 V DC, polarity insensitive Power Factor Correction: Active (PFC) Switching Frequency: 135 kHz (forward), 80 kHz (boost) Efficiency: 82–86% typical Maximum Input Current: 4.4 A RMS (100–120 V AC); 2.2 A RMS (200–240 V AC) Key Features Programmable output via 0–5 V external signal or resistance Overvoltage and overcurrent protection with automatic recovery Remote error sensing (0.4 V compensation per load wire) Remote on-off control and voltage trimming Master-slave paralleling with current balance Input surge suppression and fused protection FCC Class B and EN55022-B EMI compliance EN60950 safety certification, CE marked Typical Applications Industrial power distribution, multi-unit parallel systems, high-current DC loads, and applications requiring remote control and monitoring. Compatibility & Integration Supports external voltage or resistance programming. RC terminals enable remote control functions. Current balancing allows scalable multi-unit deployment without external logic.

Features & description

From manufacturer datasheet

Features

- Output: 15 V nominal, 100 A
- Adjustment: ~10.5–18.0 V (series table)
- Power: 1500 W class
- Input: 85–265 Vac or 110–370 Vdc
- Efficiency: ~82–86% class (series published)
- Protections: overvoltage, overcurrent, undervoltage, overtemperature, fan fail
- Isolated remote TTL ON/OFF; power-fail signal; parallel current balancing
- Front LED and voltage trim near output bus bars
- Steel chassis/cover construction

RKW15100K Characteristics / Specifications

PARAMETER	VALUE
Model	RKW15-100K
Manufacturer	Kepco, Inc.
Instrument Type	Switching DC Power Supply (1500 W series)
Family	RKW 1500W
Alias	RKW15-100K; Kepco RKW 15-100K Output 15 V / 100 A; adjustable ~10.5–18 V Input 85–265 Vac, 47–66 Hz; or 110–370 Vdc Operational Notes Prefer Kepco RKW 1500W Series operator manual Table 1 ratings.
Output	15 V nominal, 100 A
Adjustment	~10.5–18.0 V (series table)
Power	1500 W class
Input	85–265 Vac or 110–370 Vdc
Efficiency	~82–86% class (series published)
Protections	overvoltage, overcurrent, undervoltage, overtemperature, fan fail

RKW15100K Specifications

PARAMETER	VALUE
Applications	15 V high-current DC bulk supply; ATE racks; industrial 15 V distribution; parallelable high-power DC.
Key Features	- Output: 15 V nominal, 100 A
Technical Specifications	Model: RKW15-100K
Operational Notes	Prefer Kepco RKW 1500W Series operator manual Table 1 ratings.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

Specifications

PARAMETER	VALUE
Model	RKW15-100K
Manufacturer	Kepco, Inc.
Instrument Type	Switching DC Power Supply (1500 W series)
Family	RKW 1500W
Alias	RKW15-100K; Kepco RKW 15-100K

Output

15 V / 100 A; adjustable ~10.5-18 V

Input

85-265 Vac, 47-66 Hz; or 110-370 Vdc

Operational Notes

Prefer Kepco RKW 1500W Series operator manual Table 1 ratings.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.