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Data Sheet

August 13, 2026

KENWOOD

Kenwood PA18-3

Kenwood PA18-3A Series Regulated DC Power Supply 0 to 18 V 3 A The Kenwood PA18-3 (catalog PA18-3A) is a series-regulated CV/CC laboratory DC supply, 0 to 18 V and 0 to 3 A. Line regulation 1 mV CV / 2 mA CC for plus/minus 10 percent AC. Load regulation 3 mV CV / 15 mA CC (0 to 100 percent). Ripple 0.5 mVrms CV and 2 mArms CC (10 Hz to 1 MHz). Transient typically 50 μ s (5 to 100 percent). Temperature coefficient 100 ppm/C typical. Remote 10 V or 10 kohm for 18 V / 3 A. 3.5-digit LED voltmeter to 19.99 V. Green CV / red CC LEDs. Series and same-model parallel master-slave. Groundable plus/minus 500 Vdc. AC 100 V plus/minus 10 percent 50/60 Hz; 120/240 V internally switchable (max 250 V). The Kenwood PA18-3 (catalog PA18-3A) is a series-regulated CV/CC laboratory DC supply, 0 to 18 V and 0 to 3 A. Line regulation 1 mV CV / 2 mA CC for plus/minus 10 percent AC. Load regulation 3 mV CV / 15 mA CC (0 to 100 percent). Ripple 0.5 mVrms CV and 2 mArms CC (10 Hz to 1 MHz). Transient typically 50 μ s (5 to 100 percent). Temperature coefficient 100 ppm/C typical. Remote 10 V or 10 kohm for 18 V / 3 A. 3.5-digit LED voltmeter to 19.99 V. Green CV / red CC LEDs. Series and same-model parallel master-slave. Groundable plus/minus 500 Vdc. AC 100 V plus/minus 10 percent 50/60 Hz; 120/240 V internally switchable (max 250 V). Instrument Type: Series regulated DC power supply CV CC



MODEL

Kenwood PA18-3

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

PA18-3

LISTING

<https://aumictechlabs.com/products/pa18-3-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Kenwood PA18-3 is a series-regulated CV/CC (Constant Voltage/Constant Current) power supply delivering 0–18V at 0–3A with 54W output capacity. Engineered for research, development, aging, and system power supply applications, it combines low ripple (6.0 mArms, 12 mAp-p) and low noise with simultaneous digital metering. The 3½-digit LED voltmeter and 3-digit ammeter provide real-time monitoring, while green and red LED indicators distinguish between constant voltage and constant current operation modes. Temperature coefficient of 500 ppm/°C and meter accuracy of $\pm 2.5\%$ f.s. ensure stable, repeatable performance across operating conditions.

Technical Specifications Output: 0–18V, 0–3A (54W maximum) Ripple/noise: 6.0 mArms (10 Hz to 1 MHz); 12 mAp-p peak Meter accuracy: $\pm 2.5\%$ f.s. (voltage and current) Temperature coefficient: 500 ppm/°C typical Display: 3½-digit LED (voltage, auto-ranging); 3-digit LED (current) Operating environment: 0–40°C, 10–85% RH Power requirement: 100V $\pm$ 10% AC, 50/60 Hz; 120/220/240V $\pm$ 10% AC internally switchable (max 250V AC) Power consumption: ~125 VA/100W @ rated load (100V AC) Cooling: Natural draft Output terminals: +, –, GND ($\pm$ 250V DC groundable limit) Dimensions: 104×147×224 mm (case); 108×167×265 mm (maximum) Weight: ~5.3–5.6 kg

Key Features Floating output for flexible circuit topologies Series operation capability for increased voltage output Parallel operation with master-slave control for increased current delivery Wide remote control capability; GP-IB interface available via optional GP-610A/GP-610D adapter Remote ON/OFF control; voltage and current adjustable via external resistance or computer interface Constant voltage and constant current operation modes with visual indication

Typical Applications Research and development benchtop testing Component aging and burn-in procedures System power supply integration Laboratory characterization requiring stable, low-noise DC output Compatibility & Integration The PA18-3 belongs to the PA-A series family. Optional GP-IB adapters enable computer control for automated test sequences. Series and parallel configurations support scaling of output voltage and current for expanded capability.

PA18 Characteristics / Specifications

PARAMETER	VALUE
Model	PA18-3
Manufacturer	Kenwood
Instrument Type	Series regulated DC power supply CV CC
Series	PA-A
Alias	PA18-3A; PA18-3; PA 18-3A
Output Voltage	0 to 18 V
Output Current	0 to 3 A
Line Regulation CV	1 mV (plus/minus 10 percent AC)
Load Regulation CV	3 mV (0 to 100 percent)
Ripple CV	0.5 mVrms (10 Hz to 1 MHz)
Transient Response	50 us typical (5 to 100 percent)
Temperature Coefficient	100 ppm perCtypical
Remote Voltage	approx 10 V / 18 V
Remote Resistance V	approx 10 kohm / 18 V
Line Regulation CC	2 mA
Load Regulation CC	15 mA
Ripple CC	2 mArms (10 Hz to 1 MHz)
Remote Current	approx 10 V / 3 A
Remote Resistance I	approx 10 kohm / 3 A
CV Lamp	green LED
CC Lamp	red LED
Voltmeter	3.5 digit red LED to 19.99 V fixed
Series Operation	single-control master-slave within groundable voltage
Parallel Operation	same model master-slave
Polarity	plus or minus groundable

PARAMETER	VALUE
Groundable Voltage	plus/minus 500 Vdc
AC Input	100 V plus/minus 10 percent 50/60 Hz; 120/240 V internal switch max 250 V
Related PA18 1.2 A	PA18-1.2A 0-1.2 A, load CV 2 mV, CC ripple 1 mArms
Related PA36 3 A	PA36-3A 0-36 V 0-3 A
Form	compact series-regulated bench
Status	Kenwood PA-A 18 V 3 A Notes

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	PA18-3
Manufacturer	Kenwood
Instrument Type	Series regulated DC power supply CV CC
Specifications	
PARAMETER	VALUE
Series	PA-A
Alias	PA18-3A; PA18-3; PA 18-3A
Output Voltage	0 to 18 V
Specifications	
PARAMETER	VALUE
Output Current	0 to 3 A
Line Regulation CV	1 mV (plus/minus 10 percent AC)
Load Regulation CV	3 mV (0 to 100 percent)
Specifications	
PARAMETER	VALUE
Ripple CV	0.5 mVrms (10 Hz to 1 MHz)
Transient Response	50 us typical (5 to 100 percent)
Temperature Coefficient	100 ppm perCtypical
Specifications	
PARAMETER	VALUE
Remote Voltage	approx 10 V / 18 V
Remote Resistance V	approx 10 kohm / 18 V
Line Regulation CC	2 mA

Specifications

PARAMETER	VALUE
Load Regulation CC	15 mA
Ripple CC	2 mArms (10 Hz to 1 MHz)
Remote Current	approx 10 V / 3 A

Specifications

PARAMETER	VALUE
Remote Resistance I	approx 10 kohm / 3 A
CV Lamp	green LED
CC Lamp	red LED

Specifications

PARAMETER	VALUE
Voltmeter	3.5 digit red LED to 19.99 V fixed
Series Operation	single-control master-slave within groundable voltage
Parallel Operation	same model master-slave

Specifications

PARAMETER	VALUE
Polarity	plus or minus groundable
Groundable Voltage	plus/minus 500 Vdc
AC Input	100 V plus/minus 10 percent 50/60 Hz; 120/240 V internal switch max 250 V

Specifications

PARAMETER	VALUE
Related PA18 1.2 A	PA18-1.2A 0-1.2 A, load CV 2 mV, CC ripple 1 mArms
Related PA36 3 A	PA36-3A 0-36 V 0-3 A
Form	compact series-regulated bench

Status: Kenwood PA-A 18 V 3 A

Notes

Specs from Kenwood PA-A table (PA18-3A: 0-18 V, 0-3 A, 1 mV line, 3 mV load, 0.5 mVrms / 2 mA). Confirm PA18-3 versus PA18-3A faceplate and 100/120/240 V jumper.

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.