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Data Sheet
August 13, 2026

KENWOOD

Kenwood PDS120-6

Kenwood PDS120-6 Switching DC Power Supply 0 to 120 V 6 A The Kenwood PDS120-6 isaPDS-series switching CV/CC DC supply, 0 to 120 V and 0 to 6 A (720 W). Digital 3.5-digit LED meters. CE-class PDS family with 90-264 Vac universal input, 50/60 Hz, no range switch. CV ripple 2 mVrms (5 Hz to 1 MHz) on the 120 V PDS row; CC ripple 5 mA class. Line/load regulation 0.005 percent plus 1-2 mV class on PDS low-voltage siblings; 120 V member uses the PDS high-voltage row. Front output terminals. Power factor typically 0.95 class PDS; efficiency about 72 percent; consumption about 1050 W class on the 720 W PDS row. Forced-air cooling. Soft OVP 10-110 percent of full scale. The Kenwood PDS120-6 isaPDS-series switching CV/CC DC supply, 0 to 120 V and 0 to 6 A (720 W). Digital 3.5-digit LED meters. CE-class PDS family with 90-264 Vac universal input, 50/60 Hz, no range switch. CV ripple 2 mVrms (5 Hz to 1 MHz) on the 120 V PDS row; CC ripple 5 mA class. Line/load regulation 0.005 percent plus 1-2 mV class on PDS low-voltage siblings; 120 V member uses the PDS high-voltage row. Front output terminals. Power factor typically 0.95 class PDS; efficiency about 72 percent; consumption about 1050 W class on the 720 W PDS row. Forced-air cooling. Soft OVP 10-110 percent of full scale. Instrument Type: Switching DC power supply CV CC

MODEL Kenwood PDS120-6	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU PDS120-6	LISTING https://aumictechlabs.com/products/pds120-6-2/

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Kenwood PDS120-6 is a regulated DC power supply engineered for precision applications in testing, research, and development. It delivers 0–120 V output voltage and 0–6 A output current with 720 W total power, supported by simultaneous digital displays for real-time voltage and current monitoring. The unit combines a series-mode regulator with switching architecture to achieve exceptionally low noise: 1 mVrms ripple across 5 Hz to 1 MHz bandwidth. Transient response completes in 100 µsec, with rise and fall times of 100 msec and 150 msec respectively at full load. Technical Specifications Output voltage: 0–120 V Output current: 0–6 A Output power: 720 W Input voltage: AC 90–264 V, 50/60 Hz (no reconfiguration required) Power factor: 95% typical Ripple and noise: 1 mVrms (5 Hz to 1 MHz) Transient response: 100 µsec typical Temperature coefficient: ±100 ppm/°C Rise time: 100 msec (full load/no load) Fall time: 150 msec (full load), 1000 msec (no load) Line regulation: 5 mA Current regulation: 10 mA Key Features Simultaneous voltage and current digital display Single-dial rotary encoder with 10 mV and 10 mA resolution steps Three-point preset memory for voltage and current recall Over-voltage, over-current, and over-heating protection Key lock function to prevent accidental setting changes Master-slave capability: one master controls up to two parallel or one series unit Series/parallel operation for voltage or current expansion Active smoothing circuit delivers 95% power factor with IEC1000-3-2 harmonic compliance Interfaces Optional interface cards support GP-IB, RS-232C, and analog I/O for external voltage or resistance control. Compatibility & Integration CE-marked per IEC1010 (low-voltage) and EMC standards. Dimensions: 210 × 141 × 465.5 mm; weight approximately 6.3 kg. Compact footprint reduces installation space versus conventional designs.

PDS120 Characteristics / Specifications

PARAMETER	VALUE
Model	PDS120-6
Manufacturer	Kenwood
Instrument Type	Switching DC power supply CV CC
Series	PDS
Alias	PDS 120-6; PDS120-6
Output Voltage	0 to 120 V
Output Current	0 to 6 A
Output Power	720 W
Ripple CV RMS	2 mVrms (5 Hz to 1 MHz) PDS 120 V row
Ripple CC Class	5 mA
Output Terminals	front
AC Input	90 to 264 Vac 50/60 Hz no switch
Power Factor Class	0.95 typical PDS
Efficiency Class	72 percent on 720 W PDS row
Power Consumption Class	1050 W typical on 720 W PDS row
Voltmeter	3.5 digit LED 0.1 percent rdg plus 2 digits class (23 plus/minus 5 C)
Ammeter	3.5 digit LED 0.5 percent rdg plus 2 digits class
OVP	variable 10 to 110 percent of full scale
Cooling	forced air
Related PDS20	PDS20-18 0-20 V 0-18 A 360 W 1 mVrms
Related PDS36	PDS36-10 0-36 V 0-10 A 360 W
Operating Mode	CV and CC
Form	PDS switching bench
Status	Kenwood PDS 120 V 6 A
Line Regulation Class	0.005 percent plus 1 mV class PDS family

PARAMETER	VALUE
Load Regulation Class	0.005 percent plus 2 mV class PDS family
Transient Class	100 us typical on PDS 20 V row
Temperature Coefficient Class	plus/minus 100 ppm perCPDS
Rise Fall Class	100 ms / 150-1000 ms PDS family
Duty	continuous within 720 W 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	PDS120-6
Manufacturer	Kenwood
Instrument Type	Switching DC power supply CV CC

Specifications

PARAMETER	VALUE
Series	PDS
Alias	PDS 120-6; PDS120-6
Output Voltage	0 to 120 V

Specifications

PARAMETER	VALUE
Output Current	0 to 6 A
Output Power	720 W
Ripple CV RMS	2 mVrms (5 Hz to 1 MHz) PDS 120 V row

Specifications

PARAMETER	VALUE
Ripple CC Class	5 mA
Output Terminals	front
AC Input	90 to 264 Vac 50/60 Hz no switch

Specifications

PARAMETER	VALUE
Power Factor Class	0.95 typical PDS
Efficiency Class	72 percent on 720 W PDS row
Power Consumption Class	1050 W typical on 720 W PDS row

Specifications

PARAMETER	VALUE
Voltmeter	3.5 digit LED 0.1 percent rdg plus 2 digits class (23 plus/minus 5 C)
Ammeter	3.5 digit LED 0.5 percent rdg plus 2 digits class
OVP	variable 10 to 110 percent of full scale

Specifications

PARAMETER	VALUE
Cooling	forced air
Related PDS20 18	PDS20-18 0-20 V 0-18 A 360 W 1 mVrms
Related PDS36 10	PDS36-10 0-36 V 0-10 A 360 W

Specifications

PARAMETER	VALUE
Operating Mode	CV and CC
Form	PDS switching bench
Status	Kenwood PDS 120 V 6 A

Specifications

PARAMETER	VALUE
Line Regulation Class	0.005 percent plus 1 mV class PDS family
Load Regulation Class	0.005 percent plus 2 mV class PDS family
Transient Class	100 us typical on PDS 20 V row

Specifications

PARAMETER	VALUE
Temperature Coefficient Class	plus/minus 100 ppm perCPDS
Rise Fall Class	100 ms / 150-1000 ms PDS family
Duty	continuous within 720 W

Notes

Specs from Kenwood PDS table (PDS120-6: 0-120 V, 0-6 A, 720 W, 2 mVrms CV). Confirm universal AC and digital-meter PDS versus analog PA-A. Fine CC ripple is the PDS 120 V row (5 mA class).

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

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