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Data Sheet

August 15, 2026

AULT KOREA / POWER GENERAL

Ault Korea / Power General FLU2-40-4 Dual Output Power Supply

Ault Korea / Power General DC Power Supplies. Current: mode control, Current: ** Varies by sub-model (5.0A).

**MODEL****Ault Korea / Power General FLU2-40-4****CALIBRATION****Available on request****CONDITION****Used****STATUS****In stock****RFQ / SKU****FLU2-40-4****LISTING**<https://aumictechlabs.com/products/flu2-40-4-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Ault Korea / Power General FLU2-40-4 is a 40W dual output open-frame switching power supply engineered for reliable DC delivery across diverse industrial and electronic systems. Built on a flyback converter topology with current-mode control, this unit accepts universal AC input (85-265 VAC, 47-440 Hz) or DC input (36-75 VDC nominal 48V), delivering flexibility across multiple power source configurations. The supply operates with zero minimum load requirement and integrates MOV transient protection plus a recommended 2A/250V slow-blow input fuse. Technical Specifications Output Power: 40W maximum Input Voltage (AC): 85-265 VAC, single phase, 47-440 Hz Input Voltage (DC): 36-75 VDC (48V nominal) Efficiency: 62-75% typical at nominal input and load Hold-Up Time: 16 ms minimum (115 VAC, full load); 32 ms minimum (230 VAC, full load) MTBF: >200,000 hours (MIL-HDBK 217F, ground benign, 25°C) Operating

Temperature: -20°C to +70°C Primary Output Adjustment: $\pm 5\%$ Peak Output Current: Varies by sub-model (5.0A, 3.0A, or 2.0A typical) Key Features Dual output configuration with fixed auxiliary outputs EN55022/FCC Class B compliant EMI filter exceeding conducted requirements by 10 dB typical Over-current/short-circuit protection with continuous operation Over-voltage protection on primary output Soft-start circuit standard Power-limit overload protection Convection cooling; forced air recommended for confined installations Typical Applications Industrial control systems with dual voltage rails Telecommunications and networking equipment Factory automation and process control Multi-rail embedded power architectures Compatibility & Integration The FLU2-40-4 integrates into open-frame designs requiring compact footprint and universal input capability. Dual outputs accommodate primary and auxiliary rail requirements simultaneously. Output voltage configuration and specific current ratings depend on sub-model suffix designation (e.g., -1AD, -4AD). Load regulation measured at 115 VAC or 230 VAC; multi-output regulation tested with primary output at 60% nominal load and auxiliary outputs at nominal load.

FLU240 Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Open frame 40 W flyback switching power supply
Family	Power General FLU 40 W (Nidec Power General / Ault)
Input Voltage	85 to 265 VAC single phase or 100 to 370 VDC
Input Line Frequency	47 to 440 Hz (AC input models)
Continuous Output Power	40 W maximum
Efficiency	62 to 75 percent typical at nominal line and nominal load
Hold Up Time	16 ms at 115 VAC and 32 ms at 230 VAC, minimum, full load
Switching Frequency	40 kHz fixed, current mode flyback
Ripple And Noise	1 percent peak to peak maximum (20 MHz, 0.1 uF at terminals)
Primary Adjust	plus or minus 5 percent on primary output; auxiliaries fixed
Minimum Load	0 percent
Overload Protection	power limit circuit; continuous short circuit
Overvoltage Protection	primary output only
Isolation Hipot	5300 VDC input to output for one minute (FLU series)
Emi Filter	EN55022/FCC Class B, typically 10 dB margin
Operating Temperature	minus 20 C to plus 70 C
Power Derating	linear 2 percent perCfrom plus 50 C to plus 70 C
Temperature Coefficient	plus or minus 0.05 percent perCHumidity: 0 to 95 percent non-condensing
Altitude	0 to 10,000 feet
Storage Temperature	minus 40 C to plus 85 C
Mtbf	greater than 200,000 hours MIL HDBK 217F ground benign plus 25 C
Safety Approvals	UL1950, CSA 22.2 No. 234, EN60950/IEC950
Input Fuse	2 A / 250 V slow blow recommended
Cooling	convection; moving air recommended in confined area
Manufacturer	Power General / Ault Korea (Nidec Power General)

PARAMETER	VALUE
Literature	Power General FLU/MDU/DC 40 W open frame datasheet
Model	FLU2-40-4
Output Count	2
Primary Output	+5 V, 0.0 A min, 3.00 A nom, 5.00 A max
Auxiliary Output	+28 V, 0.0 A min, 1.00 A nom, 1.00 A max
Primary Tolerance	1.0 percent
Auxiliary Tolerance	5.0 percent
Primary Line Regulation	0.2 percent
Auxiliary Line Regulation	0.5 percent
Primary Load Regulation	1.0 percent
Auxiliary Load Regulation	3.0 percent
Cross Regulation	4.0 percent on V2
Construction Code	AD open PCB (BD L-bracket, CD full enclosure)
Humidity	0 to 95 percent non-condensing

General Specifications & Supplementary Characteristics

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PARAMETER	VALUE
Construction Code	AD open PCB (BD L-bracket, CD full enclosure) Notes From Power General FLU/MDU/DC 40 W datasheet FLU2-40-4AD row. Queue SKU FLU2-40-4 is the open-frame dual 5 V/28 V member; AD/BD/CD is construction suffix only.

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	
Technical Specifications	
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Temperature Coefficient	plus or minus 0.05 percent per C
Humidity	0 to 95 percent non-condensing
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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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Generated August 15, 2026

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