

**Aumictech**

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Data Sheet

August 15, 2026

AULT KOREA / POWER GENERAL

Ault Korea / Power General FLU2-40-6 Dual Output Power Supply

Ault Korea / Power General DC Power Supplies. Voltage: ** 85–265 VAC (single phase) or 100–370 VDC.



MODEL

Ault Korea / Power General FLU2-40-6

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FLU2-40-6

LISTING

<https://aumictechlabs.com/products/flu2-40-6-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Ault Korea FLU2-40-6 is a 40 W open-frame switching power supply delivering dual independent outputs across a wide input range. Built on a flyback converter topology with fixed 40 kHz operation, it accepts universal AC input of 85–265 VAC at 47–440 Hz or 100–370 VDC, making it suitable for global deployment and battery-backed systems. The unit achieves an MTBF exceeding 200,000 hours and maintains output ripple and noise below 1% peak-to-peak maximum. Technical Specifications Output Power: 40 W maximum, dual output configuration Input Voltage: 85–265 VAC (single phase) or 100–370 VDC Input Frequency: 47–440 Hz (AC input) Operating Frequency: 40 kHz fixed Efficiency: 62–75% typical at nominal input and load conditions Output Noise & Ripple: 1% peak-to-peak maximum Isolation: 5300 VDC input-to-output (one minute) Hold-Up Time: 16 ms at 115 VAC; 32 ms at 230 VAC (minimum, full load) Operating

Temperature: -20°C to $+70^{\circ}\text{C}$ (derates 2%/°C above $+50^{\circ}\text{C}$) Temperature Coefficient: $\pm 0.05\%/^{\circ}\text{C}$ across operating range Storage Temperature: -40°C to $+85^{\circ}\text{C}$ Relative Humidity: 0–95% non-condensing Altitude: 0–10,000 feet Key Features Continuous over-current and short-circuit protection with primary output over-voltage protection MOV transient protection with on-board input line fuse EMI filter surpasses EN55022/FCC Class B by 10 dB typical Primary output adjustable $\pm 5\%$; auxiliary outputs fixed Soft start on all models No minimum load requirement (0% operation supported) Convection cooling with optional forced-air capability for confined installations Typical Applications Industrial control systems, telecommunications equipment, embedded computing, and networked devices requiring isolated dual-rail supplies with international AC or DC sourcing. Compatibility & Integration Hi-pot rated for 5300 VDC isolation. Fixed 40 kHz switching minimizes EMI in adjacent frequency bands. Primary output voltage trimming enables system-level regulation without external post-regulators.

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	FLU2-40-6
Output Count	2 isolated
Primary Output	12 V isolated, 0.0 A min, 2.00 A nom, 3.00 A max
Auxiliary Output	12 V isolated, 0.0 A min, 1.00 A nom, 2.00 A max
Primary Tolerance	1.0 percent
Auxiliary Tolerance	3.0 percent
Primary Line Regulation	0.2 percent
Auxiliary Line Regulation	0.5 percent
Primary Load Regulation	1.0 percent
Auxiliary Load Regulation	1.0 percent
Cross Regulation	1.0 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

PARAMETER	VALUE
Storage temperature	minus 40 C to plus 85 C
Operating temperature	minus 20 C to plus 70 C
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Humidity	0 to 95 percent non-condensing
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
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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 FLU2-40-6AD isolated dual row. Queue SKU FLU2-40-6 matches the isolated 12 V/12 V member.

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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Emi Filter	EN55022/FCC Class B, typically 10 dB margin
Operating Temperature	minus 20 C to plus 70 C
Power Derating	linear 2 percent per C from plus 50 C to plus 70 C
Temperature Coefficient	plus or minus 0.05 percent per C
Humidity	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
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Notes

From Power General FLU/MDU/DC 40 W datasheet FLU2-40-6AD isolated dual row. Queue SKU FLU2-40-6 matches the isolated 12 V/12 V member.

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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NIST-traceable calibration · SAM registered ·
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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.