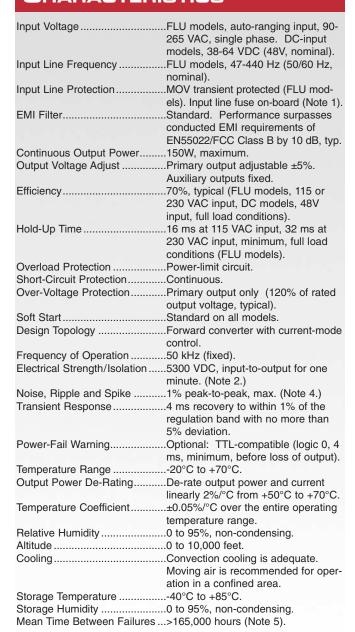
150W

OPEN-FRAME SWITCHING POWER SUPPLIES

- ✓ Four Isolated Outputs
- ✓ 150W Continuous Output Power—Convection Cooled
- ✓ 90-265 VAC Auto-Ranging Input
- ✓ 38-64 VDC Input Available
- ✓ CE Mark: UL/CSA/EN60950 Approvals
- ✓ EN55022/FCC Class B Input Line Filter
- ✓ 0% Minimum Load Requirement
- ✓ Over-Current/Short-Circuit Protection
- 2-Year Warranty
- ✓ Minimum 165,000-Hour MTBF





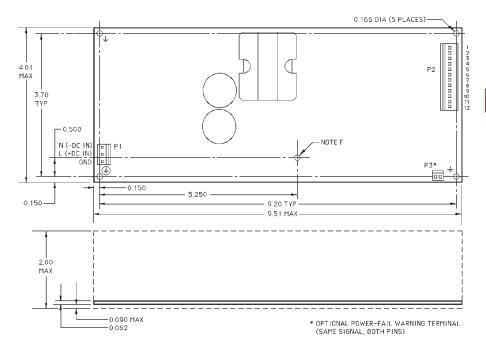


Model	Output Outpu	Voltage	Min. (A)	Nom. (A)	Max. (A)	Voltage Tol.	Line Reg.	Load Reg.	Cross Reg.
AC DC O	•	- ()	. ,			0.E			
AC-DC Quads 85-265 VAC Input								nput	
FLU4-150-1A		5(ISO)	0.0	10.0	15.0	1.0%	0.3%	1.0%	_
	V2	12(ISO)	0.0	2.40	4.00*	5.0%	0.5%	3.0%	
	V3	12(ISO)	0.0	2.40	4.00*	5.0%	0.5%	3.0%	3.0%
	V4	5(ISO)	0.0	2.40	4.00	5.0%	0.5%	5.0%	4.0%
FLU4-150-2A[) V1	5(ISO)	0.0	10.0	15.0	1.0%	0.3%	1.0%	_
	V2	12(ISO)	0.0	2.40	4.00*	5.0%	0.5%	3.0%	3.0%
	V3	12(ISO)	0.0	2.40	4.00*	5.0%	0.5%	3.0%	3.0%
	V4	12(ISO)	0.0	3.60	6.00*	5.0%	0.5%	5.0%	4.0%
FLU4-150-3A) V1	5(ISO)	0.0	10.0	15.0	1.0%	0.3%	1.0%	_
	V2	12(ISO)	0.0	2.40	4.00*	5.0%	0.5%	3.0%	3.0%
	V3	12(ISO)	0.0	2.40	4.00*	5.0%	0.5%	3.0%	3.0%
	V4	15(ISO)	0.0	2.40	3.00^{\dagger}	5.0%	0.5%	5.0%	4.0%
FLU4-150-4A[) V1	5(ISO)	0.0	10.0	15.0	1.0%	0.3%	1.0%	_
	V2	12(ISO)	0.0	2.40	4.00*	5.0%	0.5%	3.0%	3.0%
	V3	12(ISO)	0.0	2.40	4.00*	5.0%	0.5%	3.0%	
	V4	24(ISO)	0.0	1.50	3.00§	5.0%	0.5%	5.0%	4.0%
FLU4-150-5A[) V1	5(ISO)	0.0	10.0	15.0	1.0%	0.3%	1.0%	_
. 20	V2	15(ISO)	0.0	1.80	3.00 [†]	5.0%	0.5%	3.0%	3.0%
	V3	15(ISO)	0.0	1.80	3.00 [†]	5.0%	0.5%	3.0%	3.0%
	V4	5(ISO)	0.0	2.40	4.00	5.0%	0.5%	5.0%	4.0%
DC-DC Quad 38-64 VDC Ing							nput		
DC4-150-1AC	V1	5(ISO)	0.0	10.0	15.0	1.0%	0.3%	1.0%	.—
	V2	12(ISO)	0.0	2.40	4.00*	5.0%	0.5%	3.0%	3.0%
	V3	12(ISO)	0.0	2.40	4.00*	5.0%	0.5%	3.0%	3.0%
	V4	5(ISO)	0.0	2.40	4.00	5.0%	0.5%	5.0%	4.0%
* Peak output current rating = 8.0A (<60 seconds, duty cycle <10%).									
† Peak output	t curren	t rating =	= 6.0A	(<60 s	second	ls, duty o	cycle <	10%).	



150W

OPEN-FRAME SWITCHING POWER SUPPLIES



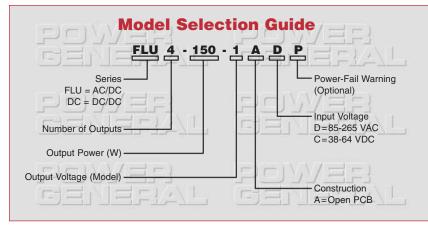
FLU4-150/DC4-150

- A. Dimensions shown are in inches.
- B. Tolerances = 0.00 ± 0.01 inch. 0.000 ± 0.005 inch.
- C. P1 input connectors are Molex 26-62-4051. The mating connector combines Molex housing 43061-0005 and crimp terminal 08-70-1030.
- D. P2 output connectors are Molex 26-60-4120 The mating connector combines Molex housing 43061-0012 and crimp terminal 08-70-1030.
- E. The optional P3 Power-Fall warning connector is Molex 22-23-2021. The mating connector combines Molex housing 22-01-2027 and crimp terminal 08-50-0114.
- F. Safe use of the mid-board mounting hole on these power supplies requires non-conductive hardware.

Pin-Out

Pin	FLU4-150	DC4-150			
1	+V4(ISO)	+V4(ISO)			
2	- V4(ISO)	- V4(ISO)			
3	+V3(ISO)	+V3(ISO)			
4	- V3(ISO)	- V3(ISO)			
5	- V2(ISO)	- V2(ISO)			
6	+V2(ISO)	+V2(ISO)			
7	- V1(ISO) [¶]	- V1(ISO) [¶]			
8	- V1(ISO) [¶]	- V1(ISO) [¶]			
9	- V1(ISO) [¶]	- V1(ISO) [¶]			
10	+V1(ISO)	+V1(ISO)			
11	+V1(ISO)	+V1(ISO)			
12	+V1(ISO)	+V1(ISO)			

[¶] Combined -V1 and Power-Fall signal RETURN termination on models with power-fail warning option (-ADP part-number suffix).



FLU4-150 models with V1 maximum current ratings of 25A are available. For more information, contact Power General applications engineering.

Notes

- Replace the input line fuse with the same type and rating. Recommended: 3.5A/250V slow-blow fuse (ac-dc models); 7A/125V slow-blow fuse (dc-dc models).
- Electrical strength/isolation is 2200 VDC from the input of the supply to ground for 60 seconds.
- All measurements are made directly at the terminals of the supply.
- 4. Peak-to-peak and RMS metering equipment must have a 20 MHz frequency response with probes and cables that maintain a frequency response of 20 Hz to 20 MHz. Output ripple and spikes are measured directly at the output terminals of the power supply with a 0.1 μF ceramic capacitor. The probe ground band must make direct contact with the output return or the common terminal of the power supply to prevent erroneous noise measurements.
- MTBF is calculated using the parts stress method in MIL-HDBK 217F (ground benign, T_A = +25°C).

- Output voltage tolerance is measured under nominal load current conditions specified for the power supply.
- Line regulation is measured under nominal load conditions as the input voltage is varied from 90 to 265 VAC (ac-input models) or from 38 to 64 VDC (dc-input models)
- Load regulation is measured at 115 VAC or 230 VAC input (ac-input models) or at 48 VDC (dc-input models). The output under test is brought to 60% of nominal load; load current and is then varied ±40% of nominal while other outputs are held at nominal load current conditions.
- Cross-regulation is tested by changing the load on the primary output from 8A to 12A while measuring the voltage change on the auxiliary output under test.
- The Power General FLU4-150 and DC4-150 series are approved to UL1950 (File E140439), to CAN/CSA22.2 No. 234 (File LR52335), and to EN60950/IEC950/DIN VDE 0805 (TÜV License R9171474).

