Open Frame power supply For I.T.E

52-150 Watts

150W Series Single Output

FEATURES

Universal Input
Overload and short circuit protection
PF > 0.95 @230VAC, full load
Over voltage Protection
High performance
LxWxH = 5" x 3" x 1.42" size
Optional power fail signal , suffix (-S) on model# when order

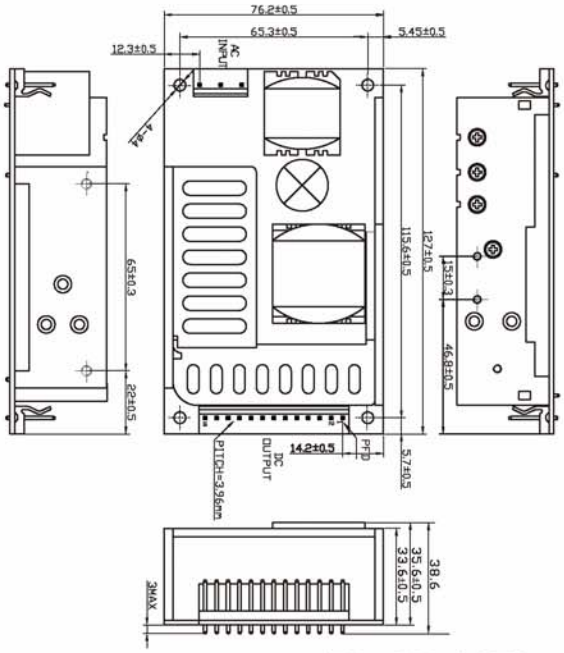
SPECIFICATIONS

All Specifications are Typical at Nominal Line,
Full Load and 25°C Unless Otherwise Noted.

Input Voltage Range..... 90~264VAC
Input Current (rms)..... 2.5A Max.
Efficiency.....75% min.@ full load at rate input
Output Voltage..... 3.3V~48V
Operating Temperature.....-10°C~+70°C
18CFM forced air derated linearly from 100% load at 40°C at 50% load at 70°C
Free air convection derated linearly from 80% load at 40°C to 50% load at 70°C
Storage Temperature.....-20°C ~ 85°C
Operating Humidity..... 20% to 90% RH
Protections..... OVP, OLP, Short Circuit Protection
Safety Standard..... UL60950-1,TUV,EN60950-1,CE, CB
EMC Standard.....(EN55022, CISPR22, FCC Part 15) Class B,
EN61000-3-2, 3, EN61000-4-2, 3, 4, 5, 6, 8, 11, EN55024

* For multi output models. Each out can load to it's max. current.
But the total power wattage shall not exceed Max. output Power.
* Note: 1. Single output tOlerance: ± 3% ~ ± 5%.
2. Dual and triple output tolerance: ± 5%.

Mechanical Drawing: (mm)



MODEL LIST

Model No.	Output Voltage (V)	Output current (A)	Total Reg.	R-N max. (MV)	Max Power Convection Cooling	Max Power with FAN (18CFM)(W)
N1052FR-S033-F	3.3	16	± 5%	± 1%	52	52
N1070FR-S005-F	5	14	± 5%	± 1%	70	70
N1000FR-S012-F	12	8.3	± 2.5%	± 0.5%	80	100
N1100FR-S015-F	15	6.66	± 2.5%	± 0.5%	80	100
N1100FR-S024-F	24	4.16	± 2.5%	± 0.5%	80	100
N1100FR-S027-F	27	3.7	± 2.5%	± 0.5%	80	100
N1100FR-S036-F	36	2.77	± 2.5%	± 0.5%	80	100
N1100FR-S048-F	48	2.08	± 2.5%	± 0.5%	80	100
N1066FR-S033-F	3.3	20	± 5%	± 1%	66	66
N1100FR-S005-F	5	20	± 5%	± 1%	80	100
N1120FR-S012-F	12	10	± 2.5%	± 0.5%	100	120
N1120FR-S015-F	15	8	± 2.5%	± 0.5%	100	120
N1120FR-S024-F	24	5	± 2.5%	± 0.5%	100	120
N1120FR-S027-F	27	4.44	± 2.5%	± 0.5%	100	120
N1120FR-S036-F	36	3.33	± 2.5%	± 0.5%	100	120
N1120FR-S048-F	48	2.5	± 2.5%	± 0.5%	100	120
N1150FR-S012-F	12	12.5	± 2.5%	± 0.5%	120	150
N1150FR-S015-F	15	10	± 2.5%	± 0.5%	120	150
N1150FR-S024-F	24	6.25	± 2.5%	± 0.5%	120	150
N1150FR-S027-F	27	5.55	± 2.5%	± 0.5%	120	150
N1150FR-S036-F	36	4.16	± 2.5%	± 0.5%	120	150
N1150FR-S048-F	48	3.12	± 2.5%	± 0.5%	120	150

*CN1 PIN CONNECTIONS FUNCTION (MOLEX 52096-03c or equivalent)

PIN	1	2	3	4	5
Function	FG	NO PIN	NEUTRAL	NO PIN	LINE

*FAN PIN CONNECTIONS FUNCTION (MOLEX 8940-0220 or equivalent)

PIN	1	2
Function	+(V1)	COMMON

*CN2 PIN CONNECTIONS FUNCTION (MOLEX 5273-13 or equivalent)

PIN	1	2	3	4	5	6	7	8	9	10	11	12	13
Single	NC	COMMON	COMMON	COMMON	COMMON	COMMON	V1	V1	V1	V1	V1	V1	PFD
Dual	NC	COMMON	COMMON	COMMON	COMMON	COMMON	V2	V2	V1	V1	V1	V1	PFD
Triple	V3	COMMON	COMMON	COMMON	COMMON	COMMON	V2	V2	V1	V1	V1	V1	PFD