

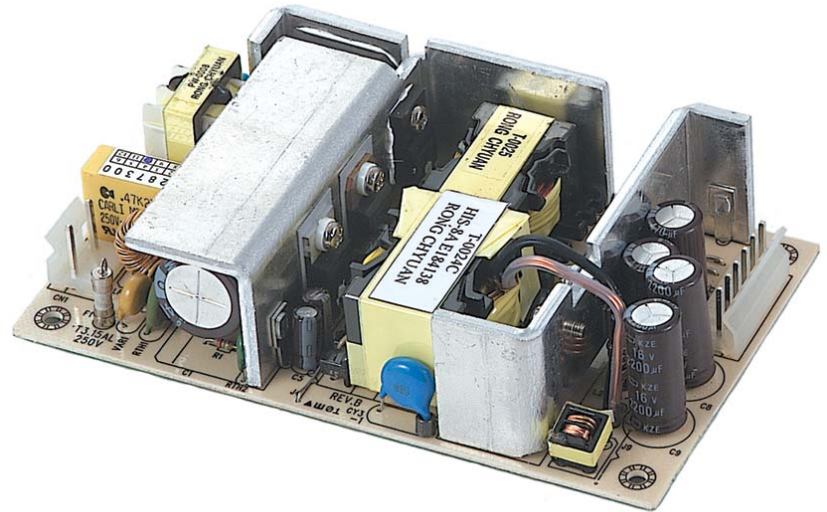
PW-120 Series

120 Watt Open Frame Switching Power Supply
Single Output ranging from 12-48 VDC



Product Features:

- Universal AC Input
- Small Industry Standard 3x5" Footprint
- Low Profile for 1U High Applications
- Convection Cooled Operation
- International Safety Approvals



INPUT SPECIFICATIONS:

VOLTAGE	Universal Input (90-264 VAC)
FREQUENCY	47-63Hz
INRUSH	30A @ 115 VAC / 60 @ 230VAC (Max Cold Start)
CURRENT	2.5A @ 115 VAC RMS (Max Continuous)
LEAKAGE	750uA Max @ 264 VAC
HOLD-UP	10ms @ 115 VAC / ms Minimum (230 VAC & Full Load)
EFFICIENCY	85% Typical (Full Load)
HARMONICS	EN61000-3-2 Class D Compliant

OUTPUT SPECIFICATIONS:

ADJUSTMENT RANGE	Fixed
MINIMUM LOAD	None
REGULATION	±2% (except 12V model = ±3%)
RIPPLE	±1% pk-k max (20MHz)
SETPOINT ACCURACY	±1%
OVER CURRENT	105-150% (Auto-Recovery)
OVER VOLTAGE PROTECTION	110-130% (recycle input to reset)

GENERAL SPECIFICATIONS:

OPERATING TEMPERATURE	0 ~ +70°C (Derate 2.5% per °C above 50°C)
STORAGE TEMPERATURE	-40 ~ +85°C
COOLING	Convection
HUMIDITY	20-90% (non-condensing)
VIBRATION	10-55Hz, 2G, 3Min Period, / 60 min each (3 axes)
SHOCK	20G Peak Acceleration
RELIABILITY	demonstrated:>80,000 hours at full load and 25°C

EMISSIONS:

EMISSIONS	EN55022 Level B / FCC Part 15 Class B
ELECTROSTATIC DISCHARGE	EN61000-4-2, 4kV Contact / 8kV Air
RADIED SUSCEPTIBILITY	EN61000-4-3, 26-1000MHz, 10V/M, 80%AM
EFT / BURSTS	EN61000-4-4, 2kV
SURGES	EN61000-4-5, 2kV Earth, 1kV Line-Line
CONDUCTED IMMUNITY	EN61000-4-6, 0.15-800MHz, 10V 80%
VOLTAGE DIPS	EN61000-4-10, 95% Dip & 10ms, 30% Dip & 500ms
VOLTAGE INTERRUPTIONS	EN61000-4-11, 95% reduction, 5ms
FLUCTUATIONS & FLICKER	EN61000-3-3

SAFETY STANDARDS:

UL	60950-1
CSA	22.2 No. 60950-1
TUV	EN60950-1
CE MARK	Low Voltage Directive

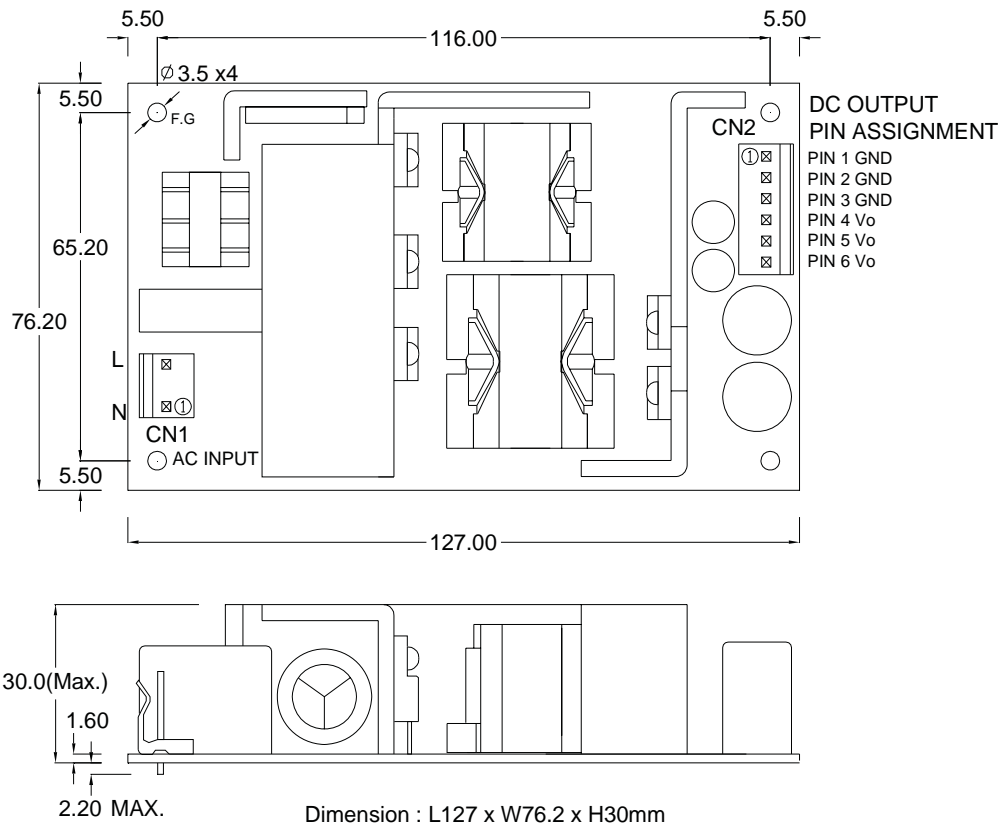


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PART #	OUTPUTS				NOTE
	V1 / A1	V2 / A2	V3 / A3	V4 / A4	
PW-120B-1Y12P	12V 10.00A				
PW-120B-1Y15P	15V 8.00A				
PW-120B-1Y18P	18V 6.67A				
PW-120B-1Y19P	19V 6.32A				
PW-120B-1Y24P	24V 5.00A				
PW-120B-1Y30P	30V 4.00A				
PW-120B-1Y36P	36V 3.34A				
PW-120B-1Y48P	48V 2.50A				



MATCHING CONNECTORS

CN1 = AC INPUT MOLEX P/N: 09-65-2029 (OR EQUIVALENT)

FEMALE HOUSING MOLEX P/N: 09-76-1020 (OR EQUIVALENT)

CN2 = DC Output MOLEX P/N: 09-65-2068 (OR EQUIVALENT)

FEMALE HOUSING MOLEX P/N: 09-52-4064 (OR EQUIVALENT)



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