

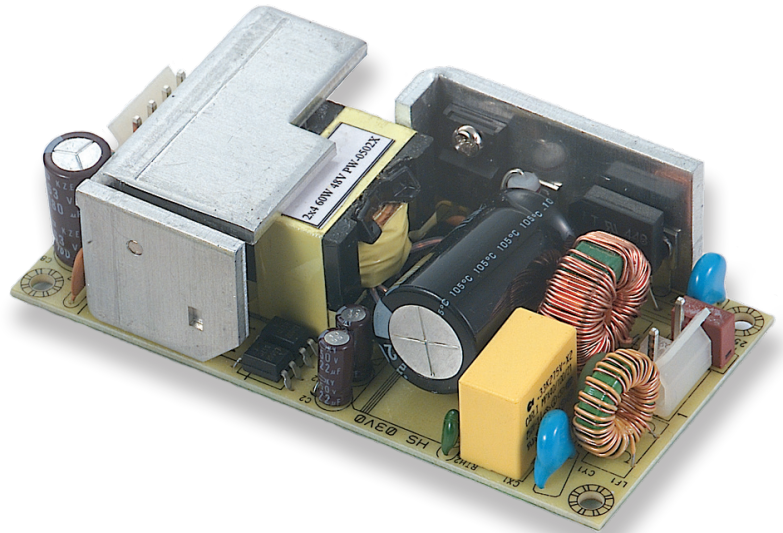
# PW-M040~65 Series

40-65 Watt Open Frame Switching Power Supply  
Single Outputs ranging from 5~48 VDC



## Product Features:

- Safety Approved for Medical Applications
- Universal AC Input
- Small 2.00 x 4.00 x 1.32" Footprint
- Convection Cooled Operation
- 80% Efficiency (Typical)



## INPUT SPECIFICATIONS:

VOLTAGE	Universal Input (90-264 VAC)
FREQUENCY	47-63Hz
INRUSH	50A @230VAC Input Range (Max Cold Start)
CURRENT	1.5A @ 90 VAC (Max Continuous)
LEAKAGE	300uA Max @ 264 VAC
HOLD-UP	10ms @ 115 VAC & Full Load
EFFICIENCY	80% Typical (Full Load)

## 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	MTBF demonstrated: >100k hours (full load and 25°C)

## OUTPUT SPECIFICATIONS:

ADJUSTMENT RANGE	Fixed
MINIMUM LOAD	None
REGULATION	See Output Table
RIPPLE	1±% pk-k max (20MHz)
SETPOINT ACCURACY	±1%
OVER CURRENT	<165% of Imax (Auto-Recovery)
OVER VOLTAGE PROTECTION	110~130% of Vnom (recycle input to reset)
SHORT CIRCUIT	Continuous (auto-recovery)

## EMISSIONS:

EMISSIONS	EN55011 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 INTERRUPTIONS	EN61000-4-11, 95% reduction, 5ms
FLUCTUATIONS & FLICKER	EN61000-3-3

## SAFETY STANDARDS:

UL/CUL	60601-1
TUV	EN60601-1
CB	IEC/EN60601-1
CE MARK	Low Voltage Directive

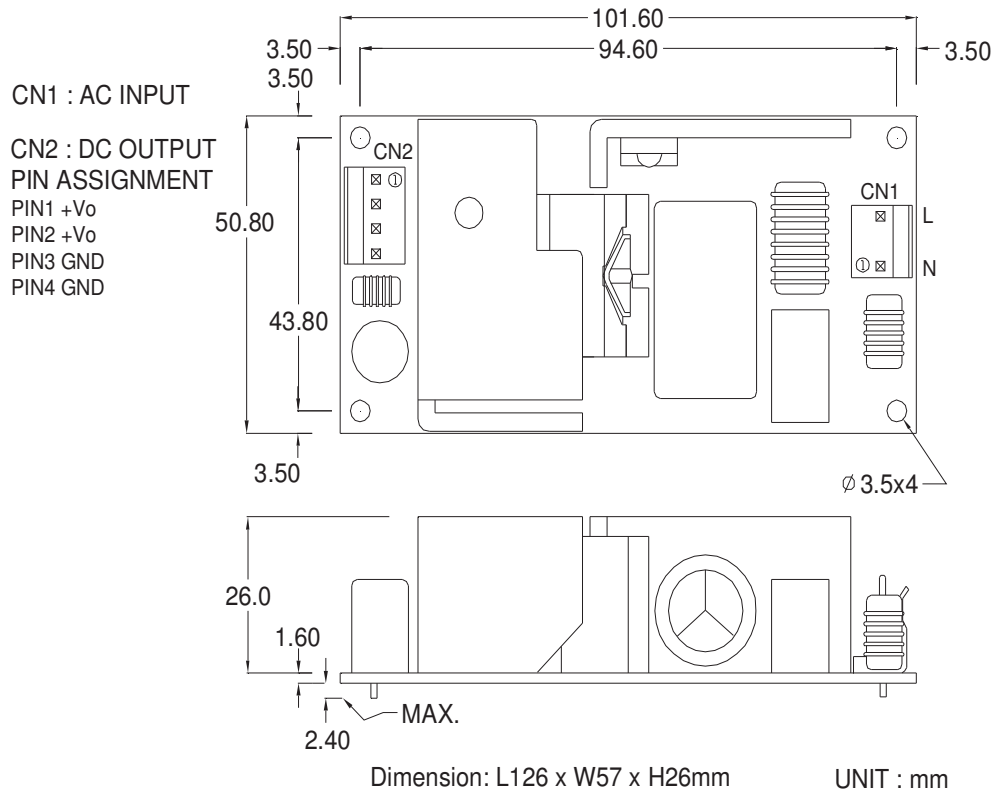


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PART #	OUTPUTS				NOTE
	V1 / A1	V2 / A2	V3 / A3	V4 / A4	
PW-M040B-1Y050	5V 8.00A				
PW-M060B-1Y120	12V 5.00A				
PW-M060B-1Y150	15V 4.00A				
PW-M065B-1Y190	19V 3.43A				
PW-M065B-1Y240	24V 2.71A				
PW-M065B-1Y360	36V 1.81A				
PW-M065B-1Y480	48V 1.36A				



## MATCHING CONNECTORS

CN1 = AC INPUT MOLEX P/N: 09-65-2029 (OR EQUIVALENT) FEMALE HOUSING MOLEX P/N: 09-76-1020 (OR E  
 CN2 = DC Output MOLEX P/N: 09-65-2048 (OR EQUIVALENT) FEMALE HOUSING MOLEX P/N: 09-52-4044 (OR E



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