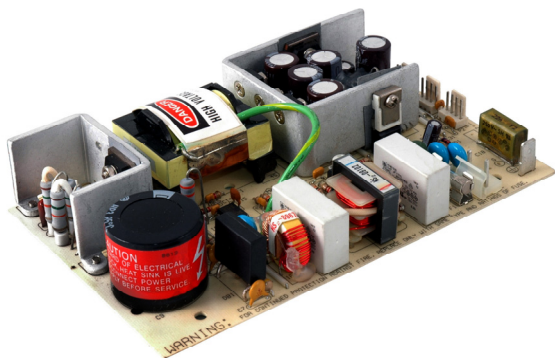


HiTRON

UNIVERSAL INPUT AC-DC PCB OPEN FRAME TRIPLE OUTPUT 65 WATT INTERNAL SWITCHING POWER SUPPLIES HVI65 SERIES



FEATURES:

- ACCOMMODATE UNIVERSAL AC SOURCES
- PCB OPEN FRAME FORMAT
- MEET UNIVERSAL SAFETY STANDARDS
- EMI MEET CISPR PUB. 22 & FCC CLASS B
- CE MARKING COMPLIANCE

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: Range typ. 90-264Vac.

Rating 100 to 240Vac.

Input Connector: V-M connectors & Faston.

Input Frequency: 47-63Hz.

Inrush Current: Typ. 25A peak at 264Vac.

Input Current: Typ. 1.4A @115Vac, 0.7A @230Vac.

Dielectric Withstand: Meet IEC 60950-1.

EMI: Meet CISPR PUB. 22 & FCC Class B.

No Load Operation: No damage.

Overshoot: No voltage spike.

Hold-up Time: Typ. 15mS @ 115Vac, 60mS @ 230Vac.

Earth Leakage: Less than 0.5mA @ 230Vac.

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart.

Output Current: See Ratings Chart.

Output Connector: V-M connectors.

Output Wattage: Typ. 65 Watts.

Line Regulation: Typ. 0.1%.

Load Regulation: Main VO1 typ. $\pm 1.0-2.0\%$.

Aux. VO2 typ. $\pm 2.0-3.0\%$ (P.R.)

Aux. VO3 typ. $\pm 2.0-3.0\%$ (P.R.)

Noise & Ripple: Typ. 1.0% peak to peak.

OVP: Built-in at main VO1 (Crowbar).

Adjustability: Available at main VO1.

Overload Protection (OLP):

Fully protected against output overload and short circuit.

OLP set at about 125-150% rating output wattage.

Consult the factory for OLP setting.

GENERAL SPECIFICATION

Efficiency: Typ. 72%.

Switching Frequency: Fixed freq. 65K Hz.

Circuit Topology: Fixed Frequency Flyback Circuit.

Transient Response: Output voltage returns in less than 3mS following a 25% load change.

Safety Standard: EN 60950-1/UL 60950-1 Class I.

Operating Temperature: 0 to +50°C.

Storage Temperature: -20 to +85°C.

Temperature Coefficient: Typ. 0.03% /°C.

Cooling: Free air convection cooling.

Construction format: PCB format.

Power Density: 2.0 Watts / Cubic Inch.

Note: Due to requests in market and advances in technology, specifications subject to change without notification.



OUTPUT VOLTAGE / CURRENT RATINGS CHART

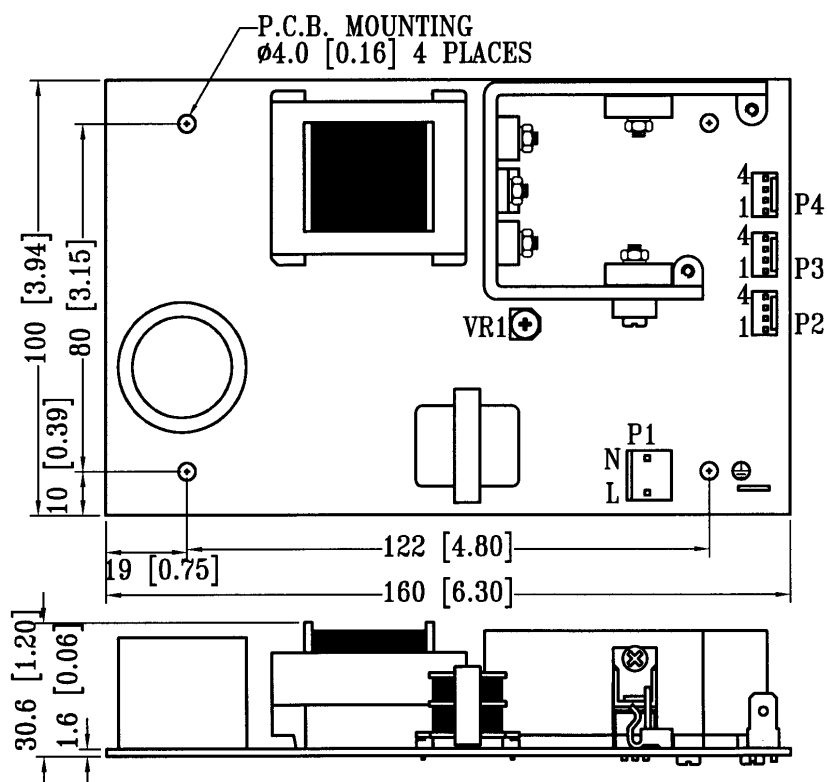
TRIPLE OUTPUT

MODEL NO.	MAIN VO1 @★		AUX. +VO2 •		AUX. -VO3 •	
	Typ.	Volt.	Typ.	Volt.	Typ.	Volt.
HVI65-30	5.0A	+5V	2.0A	+12V	1.5A	-12V
HVI65-31	5.0A	+5V	2.0A	+12V	2.0A	- 5V
HVI65-32	5.0A	+5V	1.0A	+24V	1.5A	-12V
HVI65-33	5.0A	+5V	1.6A	+15V	1.2A	-15V

Symbol: "★" OVP built-in. "@ "Adjustable. "•" Installed with Post Regulator (P.R.).

MECHANICAL DIMENSIONS: MM [INCHES]

WEIGHT: 348.0g (12.27 Oz.)



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INPUT & OUTPUT CONNECTORS PIN ASSIGNMENT

ASSIGNMENT	AC INPUT			TRIPLE OUTPUT			
	AC-L	AC-N	AC-G	VO1	DC COM	VO2	VO3
CONNECTOR & PIN#	P1-5 (L)	P1-3 (N)	FASTON	P2,3,4-1	P2,3,4,-2	P2,3,4-3	P2,3,4-4

Mating connector: Molex 5195 or 5239 series.