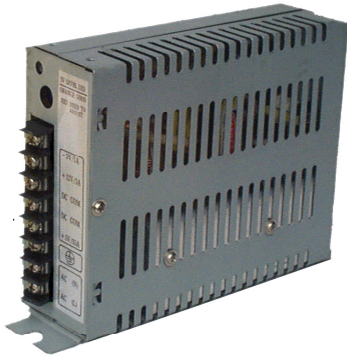


HiTRON

AUTO-RANGING INPUT AC-DC GAME USE TRIPLE OUTPUT 105 WATTS INTERNAL SWITCHING POWER SUPPLIES HIA105 SERIES



FEATURES:

- ACCOMMODATE WORLDWIDE SOURCES
- LOW COST GAMES USE POWER SUPPLY
- EMI MEET CISPR PUB. 22 & FCC CLASS B
- LED 5V INDICATION
- MEET UNIVERSAL SAFETY STANDARDS
- CE MARKING COMPLIANCE

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: 115/230 Vac Auto-Ranging input.
Input Connector: Screw terminal Connector.
Input Frequency: 47-63Hz.
Inrush Current: Typ. 35A@230Vac.
Input Current: Typ. 2.3A @115Vac, 1.2A @230Vac.
Dielectric Withstand: Meet IEC 60950-1.
EMI: Meet CISPR PUB. 22 & FCC Class B.
Hold-up Time: Typ. 16mS @115Vac, 50mS @ 230Vac.
Power Fail Signal: Installed.
Earth Leakage: Less than 0.4mA @230Vac.

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart.
Output Current: See Ratings Chart.
Output Connector: B-S connector.
Output Wattage: Typ. 105 Watts.
Line Regulation: Typ. 0.5%.
Load Regulation: Main VO1 $\pm 1\%$ typ.
Aux. VO2 /VO3 $\pm 3\%$ typ (Common choke).
Noise & Ripple: Typ. 1.0% peak to peak.
OVP: Built-in at main VO1.
LED Indicator: Installed in main output.
Adjustability: Available at main VO1.
Overload Protection (OLP):
Fully protected against output overload and short circuit.
Consult the factory for OLP setting.

GENERAL SPECIFICATION

Efficiency: Typ. 75-80%.
Switching Frequency: 75K Hz.
Circuit Topology: Fixed Frequency Forward Circuit.
Transient Response: Output voltage returns in less than 3mS following a 25% load change.
Safety Standard: IEC 60950-1/UL 60950-1 Class I.

Operating Temperature: 0 to +50°C.
Storage Temperature: -20 to +85°C.
Temperature Coefficient: Typ. 0.04% /°C
Cooling: Recommended 20 cfm forced air flow for full load operation.
Construction: Enclosure metal box.
Power Density: 1.75 Watts / Cubic inch.

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



For the details of safety approval, please consult the factory.

OUTPUT VOLTAGE / CURRENT RATINGS CHART

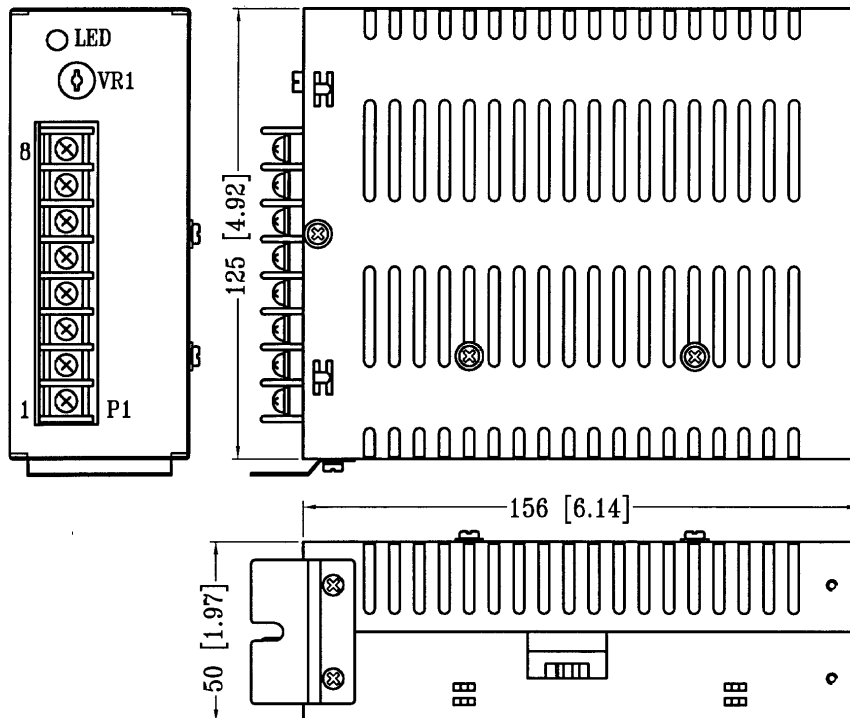
TRIPLE OUTPUT

MODEL NO	MAIN +VO1 ★@#		AUX. ± VO2 ■		AUX. -VO3 ■	
	Typ.	Volt.	Typ.	Volt.	Typ.	Volt.
HIA105-30	5.0A	+5.0V	1.0A	-5.0V	1.8A	-48.0V
HIA105-31	13.0A	+5.0V	2.5A	+12.0V	0.5A	-12.0V
HIA105-32	13.0A	+5.0V	1.3A	+24.0V	0.5A	-12.0V
HIA105-33	13.0A	+5.0V	2.0A	+15.0V	0.5A	-15.0V

Symbol: "★" OVP built-in. "@" Adjustable. "■" Couple choke. "#" Remote sensing.

MECHANICAL DIMENSIONS: MM [INCHES]

WEIGHT: 770.0g (27.11 Oz.)



INPUT & OUTPUT CONNECTOR PIN ASSIGNMENT

ASSIGNMENT CNTR & PIN#	AC INPUT			TRIPLE OUTPUT			
	AC-LINE	AC-NEUTRAL	AC-GRAND	+VO1	DC COM	+VO2	-VO3
	P1-1 (L)	P1-2 (N)	P1-3 (G)	P1-4	P1-5, 6	P1-7	P1-8