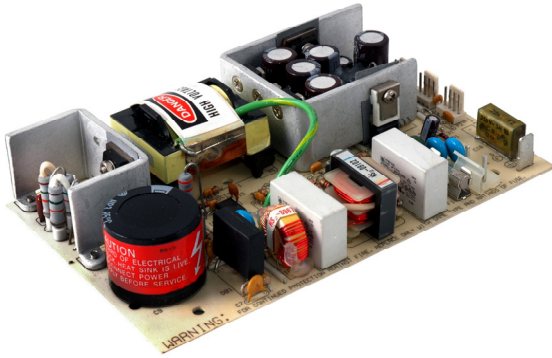


# TOTAL POWER INT'L

## UNIVERSAL INPUT AC-DC PCB OPEN FRAME TRIPLE OUTPUT 65 WATT INTERNAL SWITCHING POWER SUPPLIES TPVI65 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

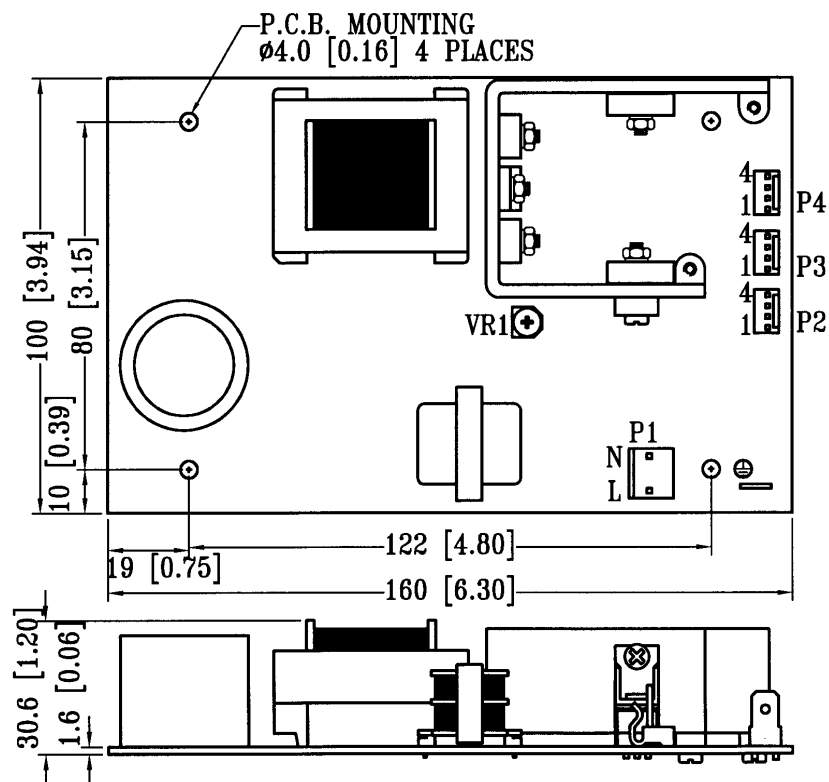
## TRIPLE OUTPUT

MODEL NO.	MAIN VO1 @★		AUX. +VO2 •		AUX. -VO3 •	
	Typ.	Volt.	Typ.	Volt.	Typ.	Volt.
TPVI65-30	5.0A	+5V	2.0A	+12V	1.5A	-12V
TPVI65-31	5.0A	+5V	2.0A	+12V	2.0A	-5V
TPVI65-32	5.0A	+5V	1.0A	+24V	1.5A	-12V
TPVI65-33	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.)



## 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.