

UNIVERSAL INPUT AC-DC PCB OPEN FRAME TRIPLE OUTPUT INTERNAL SWITCHING POWER SUPPLIES 65 WATT APS65VI SERIES (ALSO NAMED PVI-65 SERIES)



FEATURES:

- ACCOMMODATES UNIVERSAL AC SOURCES IN THE WORLD
- PCB OPEN FRAME FORMAT.
- DESIGNED TO MEET UNIVERSAL SAFETY STANDARDS
- UL/CSA/TUV APPROVALS
- EMI/RFI MEET CISPR PUB. 22 CLASS B & FCC CLASS B
- CE MARKING COMPLIANCE

SPECIFICATIONS

INPUT SPECIFICATIONS:

Input Voltage: Typ. 85-264VAC
Input Connector: V-M connectors & FAST-ON
Input Frequency: 47-63Hz
 (Consult factory for 440Hz operation)
Inrush Current: 25A peak at 264VAC
Input Current: 1.4A @ 115VAC, 0.7 A @230VAC
Dielectric Withstand: Meet IEC950
 3,000VAC-Output/Input
 1,500VAC-Input/GND
EMI/RFI: Meet CISPR EN55022 B.& FCC B
No Load Operation: No damage
Overshoot: No voltage spike
Hold-up Time: 15mS @ 115VAC, 60mS @ 230VAC
Earth Leakage: Less than 0.5mA @ 230VAC

OUTPUTS SPECIFICATIONS:

Output Voltage: See RATINGS CHARTS
Output Currents: See RATINGS CHARTS
Output Connector: V-M connectors
Line Regulation: Typ. $\pm 0.1\%$
Load Regulation: Main O/P VO1 typ. $\pm 1.0\%$
 Aux. O/P VO2 typ. $\pm 2.0\%$ with PR
 Aux. O/P VO3 typ. $\pm 2.0\%$ with PR
Noise & Ripple: Typ. 1% peak to peak max.
OVP: VO1 MAIN O/P, +6.2V ± 0.4 V for 5V O/P
Adj.: VO1 MAIN O/P only, -10% till OVP
Overload Protection: 105-150% max. power
Max. cont. output power:
 Without fan cooling 65 Watts

GENERAL SPECIFICATIONS:

Efficiency: Typ. 72%
Switching Frequency: Fixed freq. 65KHz
Circuit Topology: Fixed freq. flyback circuit
Transient Response: Output voltage returns in less than 3mS following a 50% load change

Operating Temperature: 0-50°C
Storage Temperature: -20 to +85°C
Temperature Coefficient: 0.03% /°C
Cooling: Free air convection cooling
Construction format: PCB format
Safety Standard: UL1950 / EN60950 Class I



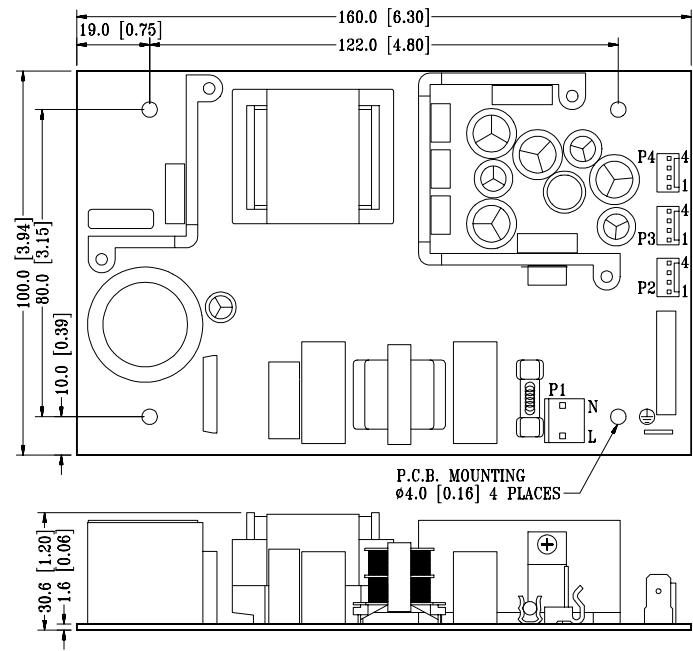
OUTPUT VOLTAGE/CURRENT RATING CHARTS

TRIPLE OUTPUT:

MODEL NO.	MAIN O/P VO1 @★			AUX.O/P +VO2 •			AUX.O/P -VO3 •		
	TYP.	VOLT.	PEAK	TYP.	VOLT.	PEAK	TYP.	VOLT.	PEAK
APS65VI-30	5.0A	+5V	8.0A	2.0A	+12V	2.0A	1.0A	-12V	1.0A
APS65VI-31	7.0A	+5V	8.0A	2.0A	+12V	2.0A	2.0A	- 5V	2.0A
APS65VI-32	6.0A	+5V	8.0A	0.8A	+24V	1.0A	1.0A	-12V	2.0A
APS65VI-33	6.0A	+5V	8.0A	1.4A	+15V	2.0A	1.0A	-15V	2.0A

Symbols:" ★"OVP built-in. "@Adjustable. "•" Installed with Post Regulator (PR)
Remark:(1) At least 20%of typical main output current is required to maintain stated regulation.
(2) Peak output, less than 60 Sec., Peak current can't be drawn from all output at the same time.

MECHANICAL DIMENSIONS: MM (INCHES) WEIGHT: 348g (42.3 Oz.)
POWER DENSITY: 2.0 W/Cubic Inch



INPUT & OUTPUT CONNECTORS PIN ASSIGNMENT

INPUT CONNECTOR P1		OUTPUT CONNECTOR P2,3,4	
PIN NO.	ASSIGNMENT	PIN NO.	ASSIGNMENT
P1-3 (N)	AC-NEUTRAL	P2,3,4-1	VO1 +
P1-5 (L)	AC-LINE	P2,3,4-2	DC COMMON
FAST-ON	AC-GROUND	P2,3,4-3	VO2 +
		P2,3,4-4	VO3 -