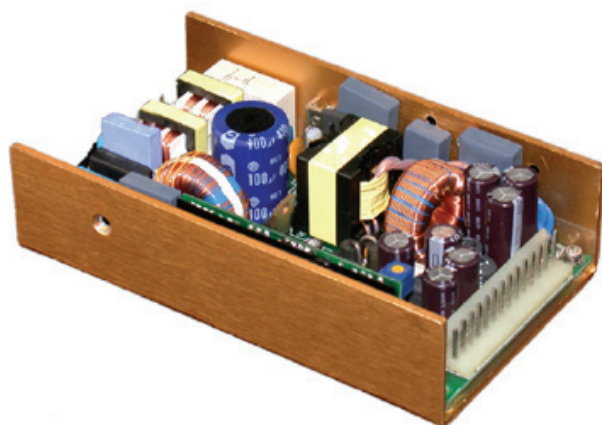




Size: 5.60 x 3.30 x 1.50"

Features:

- * Universal AC Input (90-264 VAC)
- * Small Size - only 5.60 x 3.30 x 1.50"
- * Remote Sense & Power Fail Function
- * EN61000-3-2 / IEC100-3-2 Compliant
- * Worldwide Safety Approvals
- * EN55022 & FCC Class B Emissions
- * CE Mark

Input

Input Voltage	90-264 VAC
Input Frequency	47-63Hz
Inrush Current	65A Max @ 230 VAC Cold Start
Input Current	1.3A @ 115 VAC / 0.63A @ 230 VAC Typical
Hold-Up Time	35ms @ 115 VAC / 35ms @ 230 VAC Full Load
Leakage Current	<500 μ A @ 230 VAC
Power Factor	0.96 - 0.99 Typical

General

Efficiency	79-81% Typ.
Switching Frequency	75KHz Approximate
Operating Temperature	0 to 50°C full load, derate 2.5% per °C to 70°C max.
Storage Temperature	-20°C to +85°C
Cooling	25cfm airflow
Temp Co-Efficient	0.04% per °C
Topology	Fixed Frequency Forward Circuit

Output

Minimum Load	20% of V1 on Multi Output Models
Line Regulation	$\pm 1\%$ typ.
Load Regulation	V1 $\pm 2\%$ / V2 $\pm 5\%$ / V3,4 $\pm 7\%$
Ripple & Noise	$\pm 1\%$ typ. pk-pk @ 20MHz
Overload Protection	>135% of max power
OverVoltage Protection	V1 Only
Adjustment	-10 / +120% or OVP Trip Point
Transient Response	voltage returns < 3mS following a 50% load change
Remote Sense	Compensates for <250mv

EMC & Safety

Emissions EN55022 "B", FCC Class B

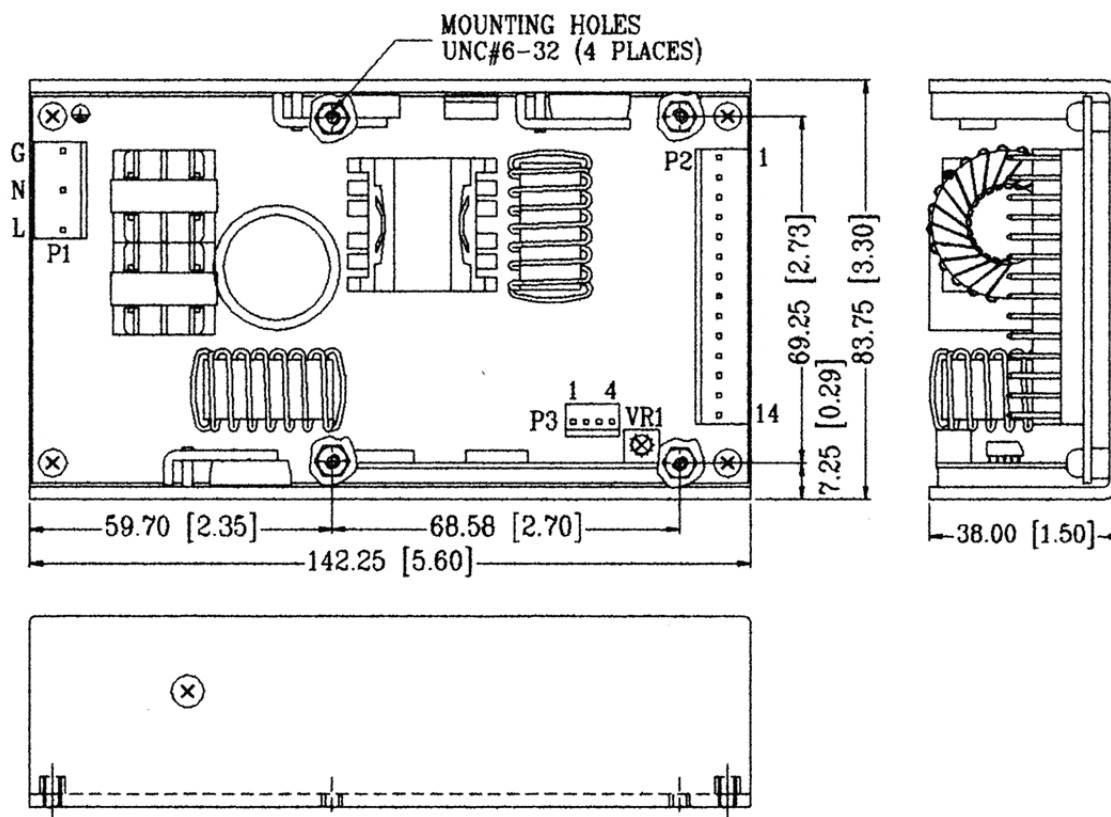
Safety Approvals UL/cUL 1950
IEC950
CE Mark (LVD)



Model Number	Outputs	Model Number	Outputs
APS105VP-19	3.3V @ 20A	APS105VP-393	+3.3V @ 12A / +12V @ 3.4A / -12V @ 0.8A
APS105VP-10	5V @ 20A	APS105VP-394	+3.3V @ 12A / +15V @ 2.8A / -15V @ 0.6A
APS105VP-11	12V @ 8.5A	APS105VP-30	+5V @ 10A / +12V @ 3.4A / -12V @ 0.8A
APS105VP-12	15V @ 7A	APS105VP-31	+5V @ 10A / +12V @ 3.4A / -5V @ 1A
APS105VP-13	24V @ 4.5A	APS105VP-32	+5V @ 10A / +24V @ 1.5A / -12V @ 0.8A
APS105VP-14	28V @ 4A	APS105VP-33	+5V @ 10A / +15V @ 2.5A / -15V @ 0.6A
APS105VP-15	36V @ 3A		
APS105VP-290	3.3V @ 15A / 5V @ 8A	APS105VP-490	+3.3V @ 12A / +12V @ 3A / -12V @ 1A / 5V @ 1A
APS105VP-291	3.3V @ 15A / 12V @ 4A	APS105VP-491	+3.3V @ 12A / +15V @ 2.5A / -15V @ 1A / 5V @ 1A
APS105VP-292	3.3V @ 15A / 15V @ 3A	APS105VP-492	+3.3V @ 12A / +12V @ 3A / -12V @ 0.6A / 12V @ 0.6A
APS105VP-20	5V @ 10A / 5V @ 10	APS105VP-493	+3.3V @ 12A / +15V @ 2.5A / -15V @ 0.5A / 12V @ 0.5A
APS105VP-21	5V @ 10A / 12V @ 4A	APS105VP-494	+3.3V @ 12A / +24V @ 1.5A / -12V @ 0.6A / 12V @ 0.6A
APS105VP-22	5V @ 10A / 24V @ 3A	APS105VP-40	+5V @ 10A / 12V @ 3A / -12V @ 0.6A / 12V @ 0.6A
APS105VP-23	5V @ 12A / 15V @ 2A	APS105VP-41	+5V @ 10A / +12V @ 3A / -5V @ 1A / 5V @ 1A
APS105VP-24	12V @ 4A / 12V @ 4A	APS105VP-42	+5V @ 10A / +24V @ 1.5A / -12V @ 0.6A / 12V @ 0.6A
APS105VP-25	15V @ 3.4A / 15V @ 3.4A	APS105VP-43	+5V @ 10A / +15V @ 2.5A / -15V @ 0.5A / 15V @ 0.5A

Add Suffix "-G" for Gaming Applications (< 500uA Leakage Current & Class A Emissions)

Mechanical Details



INPUT & OUTPUT CONNECTORS PIN ASSIGNMENT

	AC INPUT			SINGLE OUTPUT		DUAL OUTPUT			TRIPLE OUTPUT			
ASSIGNMENT	AC-L	AC-N	AC-G	VO1	DC-COM	VO1	VO2	DC-COM	VO1	VO2	VO3	DC-COM
CNTR & PIN#	P1-3.	P1-2.	P1-1.	P2-1,2,3,4,5.	P2-6,7,8,9,10.	P2-1,2,3.	P2-8,9.	P2-4,5,6,7.	P2-1,2,3.	P2-8,9.	P2-11.	P2-4,5,6,7.

QUAD. OUTPUT						ASSORTED SIGNAL			
VO1	VO2	VO3	+VO4	-VO4	DC-COM	-S	+S	DC-COM	P.F.S.
P2-1,2,3.	P2-8,9.	P2-11	P2-14	P2-13	P2-4,5,6,7.	P3-1.	P3-2.	P3-3.	P3-4.

Notes

WEIGHT: PCB Version = 503g (17.74Oz)

Connectors: Mates with Molex 09-52-4054 (P1) 09-91-1400 (P2) and 22-01-2047 Crimp Housings