



Size: 8.00 x 4.20 x 1.50"

Features:

- * Universal AC Input (90-264 VAC)
- * Small Size - only 8.00 x 4.20 x 1.50"
- * Remote Sense , Enable, Power Fail, DC OK and 5VSB Functions
- * Optional Active Current Share Circuit (V1 & V2 Only)
- * 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	30.6A Max @ 230 VAC Cold Start
Input Current	2.0A @ 115 VAC / 0.96A @ 230 VAC Typical
Hold-Up Time	20ms @ 115 VAC / 20ms @ 230 VAC Full Load
Leakage Current	<750 μ A @ 230 VAC
Power Factor	0.99 Typical @ 230 VAC

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	V1&V2 = forward circuit / V3&V4= fixed-frequency flyback circuit

Output

Minimum Load	10% of V1 on Multi Output Models
Line Regulation	$\pm 0.1\%$ typ.
Load Regulation	V1 & V2= $\pm 1.5\%$ / V2 & V4 = $\pm 5\%$ max
Ripple & Noise	$\pm 1\%$ typ. pk-pk @ 20MHz
Overload Protection	>135% of max power
OverVoltage Protection	V1 , V2, V3 Only (Latch)
Adjustment	V1 , V2, V3 Only
Transient Response	voltage returns < 1mS following a 25% load change
Remote Sense	Compenensates for <250mv

EMC & Safety

Emissions EN55022 "B", FCC Class B

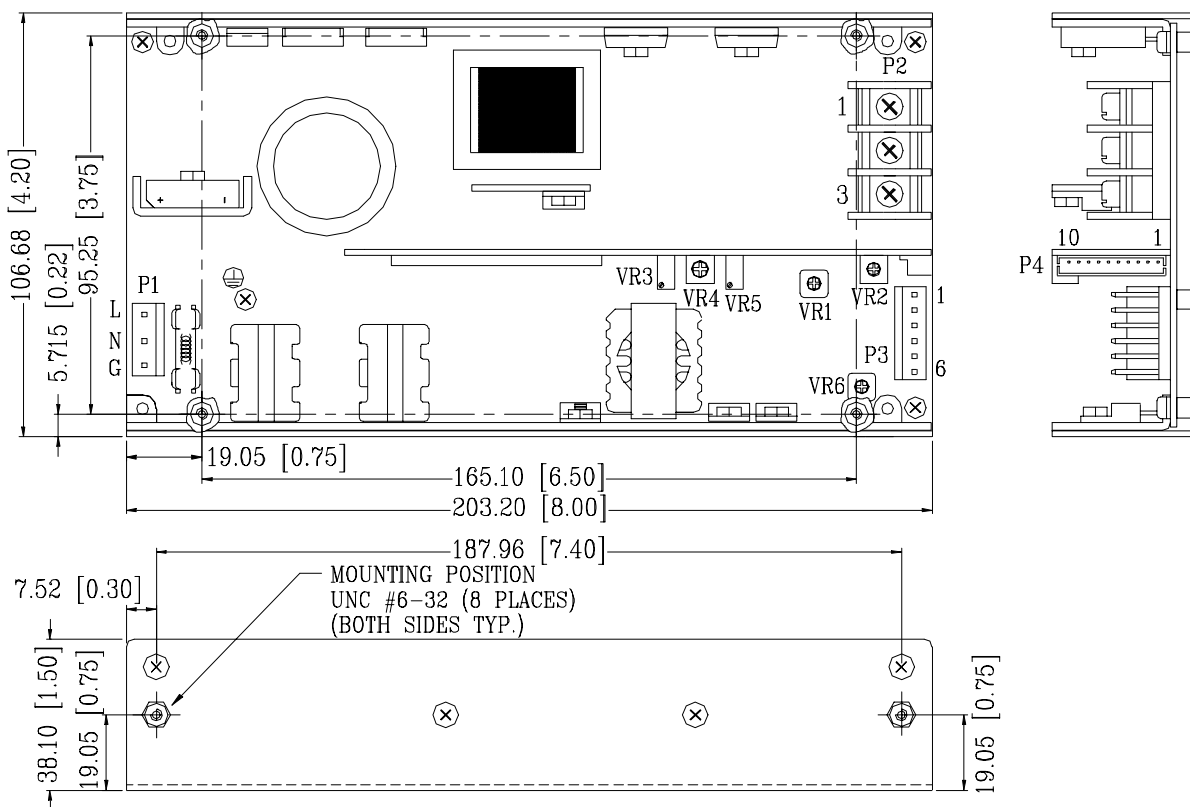
Safety Approvals UL/cUL 1950
EN60950
CE Mark (LVD)



Model Number	Outputs
APS149VP-033350	+3.3V @ 35A
APS149VP-050300	+5.0V @ 30A
APS149VP-120150	+12.0V @ 15 A
APS149VP-240075	+24.0V @ 7.5A
APS149VP-480375	+48.0V @ 3.75A
APS149VP-20	+5.0V @ 30A / +5V @ 10A
APS149VP-21	+5.0V @ 30A / +12V @ 5A
APS149VP-22	+5.0V @ 30A / +15V @ 5A
APS149VP-23	+5.0V @ 30A / +24V @ 3A
APS149VP-290A	+5.0V @ 30A / +3.3V @ 15A
APS149VP-290B	+3.3V @ 30A / +5V @ 8A
APS149VP-291	+3.3V @ 30A / +12V @ 5 A
APS149VP-292	+3.3V @ 30A / +15V @ 4A
APS149VP-293	+3.3V @ 30A / +24V @ 3A

Model Number	Outputs
APS149VP-30	+5.0V @ 30A / +12V @ 4A / 12V @ 3A
APS149VP-31	+5.0V @ 30A / +12V @ 4A / 5V @ 6A
APS149VPT-050IM	+5.0V @ 17.5A / +12V @ 4A / 24V @ 2A
APS149VP-32	+5.0V @ 30A / +24V @ 2.5A / 12V @ 3A
APS149VP-33	+5.0V @ 30A / +15V @ 4A / 15V @ 3A
APS149VP-390A	+5.0V @ 30A / +3.3V @ 12A / 12V @ 3A
APS149VP-390B	+3.3V @ 30A / +5V @ 8A / 12V @ 3A
APS149VP-391A	+5.0V @ 30A / +3.3V @ 12A / 15V @ 3A
APS149VP-391B	+3.3V @ 30A / +5V @ 8A / 15V @ 3A
APS149VP-40	+5.0V @ 30A / +12V @ 8A / 12V @ 2A / 12V @ 2A
APS149VP-41	+5.0V @ 30A / +12V @ 8A / 5V @ 4A / 5V @ 3A
APS149VPQ-050IIE	+5.0V @ 30A / +12V @ 8A / 12V @ 3A / 5V @ 2A
APS149VP-42	+5.0V @ 30A / +24V @ 4A / 12V @ 2A / 12V @ 2A
APS149VP-43	+5.0V @ 30A / +15V @ 6A / 12V @ 2A / 15V @ 1.5A
APS149VP-490A	+5.0V @ 30A / +3.3V @ 15A / 12V @ 2A / 12V @ 2A
APS149VP-490B	+3.3V @ 30A / +5V @ 15A / 12V @ 2A / 12V @ 2A
APS149VP-491A	+5.0V @ 30A / +3.3V @ 15A / 15V @ 1.5A / 15V @ 1.5A
APS149VP-491B	+3.3V @ 30A / +5V @ 15A / 15V @ 1.5A / 15V @ 1.5A
APS149VPQ-025DIE	+2.5V @ 30A / +3.3V @ 15A / 12V @ 4A / 5V @ 2A

Mechanical Details



Notes

WEIGHT: 160.5g (33.88Oz)

INPUT & OUTPUT CONNECTORS PIN ASSIGNMENT:

INPUT: AC LINE = P1-5 / AC NEUTRAL = P1-3 / P1-1 = GROUND

OUTPUTS: P2-2 = V1 / P2-3 = V2 / P2-1 = COMM / P3-1,2 = V3 / P3-3,4 = -V3 / P3-5 = V4 / P3-6 = -V4

SIGNALS: P4-1 = COMM / P4-2 = ENABLE / P4-3 = POWER FAIL / P4-4 = DC OK / P4-5 = +5VSB

P4-6 = V2 I SHARE / P4-7=V2+S / PR-8 = V1 I SHARE / P4-9 = -S / P4-10 = V1+S