



Size: 8.00 x 4.20 x 1.50"

Features:

- * Universal AC Input (90-264 VAC)
- * Tight Output Regulation
- * Active Current Sharing (V1 & V2)
- * Floating V3 & V4 Outputs
- * Small Size - only 8.00 x 4.20 x 1.50"
- * Remote Sense, Inhibit, AC & DC OK Functions
- * 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	29A Max @ 230 VAC Cold Start
Input Current	2.4.0A @ 115 VAC / 1.2 @ 230 VAC Typical
Hold-Up Time	15ms @ 115 VAC
Leakage Current	<750 μ A @ 230 VAC
Power Factor	EN61000-3-2 Class A Compliant

General

Efficiency	77-80% minimum
Operating Temperature	0 to 50°C full load, derate 2.5% per °C to 70°C max.
Storage Temperature	-55°C to +85°C
Cooling	30 cfm airflow
Temp Co-Efficient	0.02% per °C
Switching Frequency	115KHz
Topology	PWM Fixed Frequency Forward Circuit

Output

Minimum Load	20% of V1 only
Line Regulation	\pm 0.1% / typ.
Load Regulation	V1 & V2 = \pm 0.5% / V3, V4 = \pm 1% max
Ripple & Noise	\pm 1% typ. pk-pk @ 20MHz
Overload Protection	110-135% of max power
OverVoltage Protection	Latching at >130% of V1 & V2 nominal
Adjustment	V1 only
Transient Response	voltage returns < 3mS following a 50% load change
Remote Sense	V1 & V2 ONLY, compensates <250mv
Active Current Share	\pm 10% accuracy

EMC & Safety

Emissions EN55022 "B", FCC Part 15 Subject J Class B

Safety Approvals UL/cUL 60950
EN60950
CE Mark (LVD)

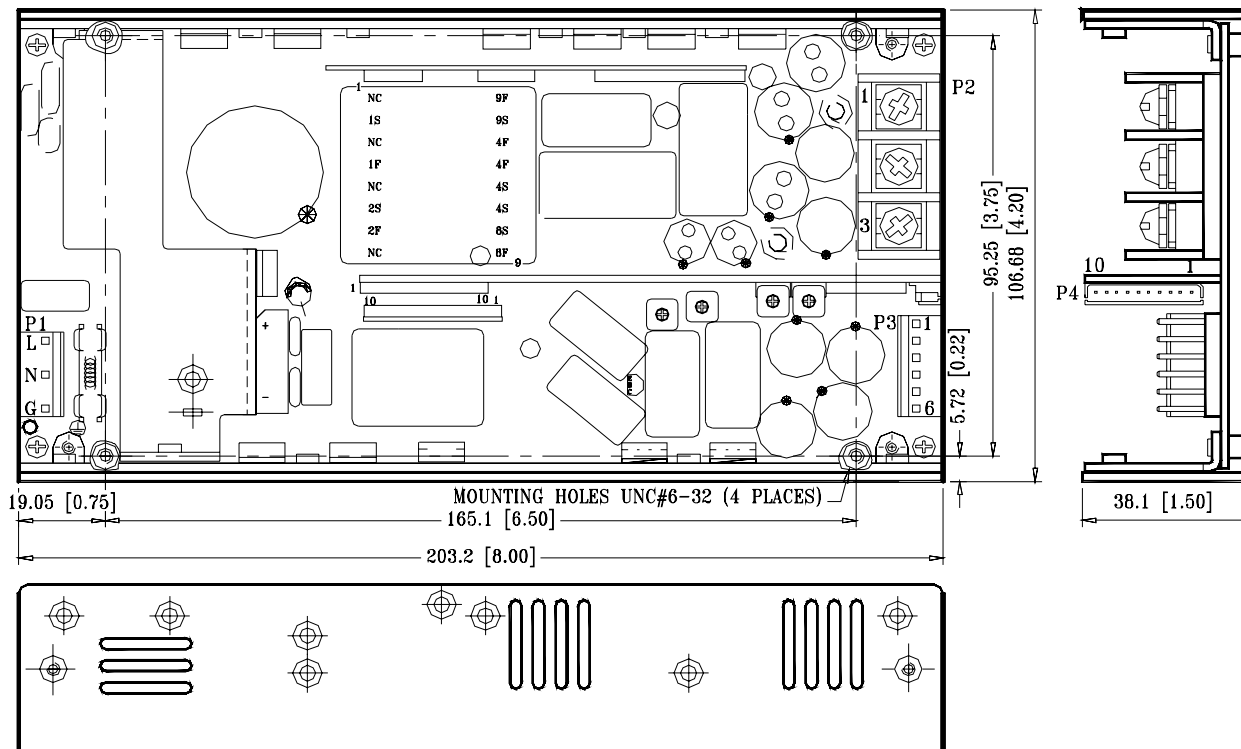


Model Number

Outputs

APS210VPQ-033BII	+3.3V @ 22.0A +1.8V @ 22.0A 12.0V @ 4.0A 12.0V @ 4.0A
APS210VPQ-050BII	+5.0V @ 22.0A +1.8V @ 15.0A 12.0V @ 3.0A 12.0V @ 3.0A
APS210VPQ-033CII	+3.3V @ 22.0A +2.5V @ 20.0A 12.0V @ 4.0A 12.0V @ 4.0A
APS210VPQ-050CII	+5.0V @ 20.0A +2.5V @ 15.0A 12.0V @ 3.0A 12.0V @ 3.0A
APS210VPQ-033EII	+3.3V @ 20.0A +5.0V @ 15.0A 12.0V @ 3.0A 12.0V @ 3.0A

Mechanical Details



Notes

WEIGHT: 1KGg (2.2lbs)

INPUT & OUTPUT CONNECTORS PIN ASSIGNMENT:

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

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

SIGNALS: P4-1 = COMM / P4-2 = INHIBIT / P4-3 = POWER FAIL / P4-4 = DC OK / P4-6 = V2 SHARE /

P4-7 = V2 +SENSE / P4-8 = V1 SHARE / P4-9 = V1 & V2 SENSE RETURNS / P4-10 = +V1 SENSE

P1 & P3 = MOLEX 5195

P45 = MOLEX 5264