



Size: 7.99 x 4.99 x 1.65"

Features:

- * Universal AC Input (90-264 VAC)
- * Small Size - only 7.99 x 4.99 x 1.65"
- * Remote Sense, Remot on/off and 5VSB Functions
- * DC OK and PowerFail Signals (active high)
- * EN61000-3-2 / IEC100-3-2 Compliant
- * Worldwide Safety Approvals
- * EN55022 & FCC Class B Emissions
- * CE Mark

Input

Input Voltage	85-264 VAC
Input Frequency	47-63Hz
Inrush Current	33A Max @ 230 VAC Cold Start
Input Current	2.25.0A @ 115 VAC / 1.0A @ 230 VAC Typical
Hold-Up Time	18ms @ 115 VAC
Leakage Current	<750 μ A @ 230 VAC
Power Factor	EN61000-3-2 Class A Compliant

General

Efficiency	67-70% 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	0.03% per °C
Switching Frequency	70KHz
Topology	PWM Fixed Frequency Forward Circuit

Output

Minimum Load	20% of V1 only
Line Regulation	\pm 0.1% / typ.
Load Regulation	V1 & V2 = \pm 1% / V3, V4 & V5 = \pm 3% max
Ripple & Noise	\pm 1% typ. pk-pk @ 20MHz
Overload Protection	110-135% of max power
OverVoltage Protection	Latching at >130% of V1 nominal
Adjustment	V1 & V2 only
Transient Response	voltage returns < 3mS following a 50% load change
Remote Sense	V1 & V2 ONLY, compensates <250mv

EMC & Safety

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

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

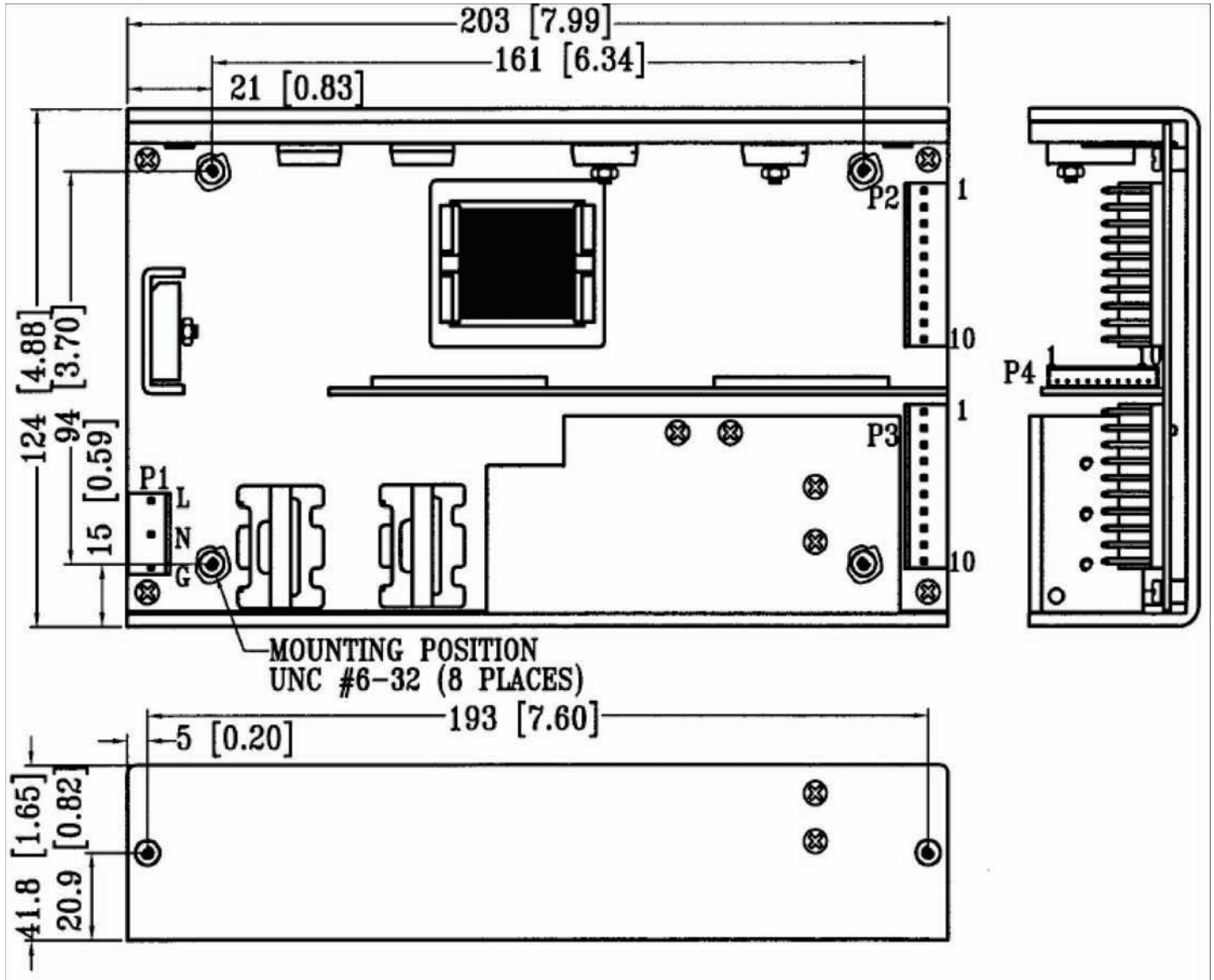


Model Number	Outputs
APS200VP-290B	+3.3V @ 30.0A / +5.0V @ 15.0A
APS200VP-291	+3.3V @ 30.0A / +12.0V @ 5.0A
APS200VP-292	+3.3V @ 30.0A / +15.0V @ 4.0A
APS200VP-293	+3.3V @ 30.0A / +24.0V @ 2.5A
APS200VP-20	+5.0V @ 25.0A / +5.0V @ 10.0A
APS200VP-21	+5.0V @ 25.0A / +12V @ 5.0A
APS200VP-22	+5.0V @ 25.0A / +15V @ 4.0A
APS200VP-23	+5.0V @ 25.0A / +24V @ 2.5A
APS200VP-290A	+5.0V @ 25.0A / +3.3V @ 15A
APS200VP-30	+5.0V @ 25.0A / +12.0V @ 4.0A / 12.0V @ 1.0A
APS200VP-31	+5.0V @ 25.0A / +12.0V @ 4.0A / 5.0V @ 2.0A
APS200VP-32	+5.0V @ 25.0A / +3.3V @ 10.0A / 12.0V @ 1.0A
APS200VP-33	+5.0V @ 25.0A / +3.3V @ 10.0A / 15.0V @ 1.0A

Model Number	Outputs
APS200VP-40	+5V @ 20A / +12V @ 4A / +12V @ 3A / +12V @ 3A
APS200VP-41	+5V @ 20A / +12V @ 4A / +5V @ 3A / +5V @ 3A
APS200VP-42	+5V @ 20A / +24V @ 2A / +12V @ 3A / +12V @ 3A
APS200VP-43	+5V @ 20A / +150V @ 3.5A / +12V @ 3A / +12V @ 3A
APS200VP-490A	+5V @ 20A / +3.3V @ 15A / +12V @ 3A / +12V @ 3A
APS200VP-490B	+3.3V @ 20A / +5V @ 15A / +12V @ 3A / +5V @ 3A
APS200VP-491A	+5V @ 20A / +3.3V @ 15A / +15V @ 2.5A / +15V @ 2.5A
APS200VP-491B	+3.3V @ 20A / +5V @ 15A / +15V @ 2.5A / +15V @ 2.5A
APS200VP-590	+3.3V@20A / +5V@12A / +12V@1A / +12V@1A / +15V@1A
APS200VP-591	+3.3V@20A / +12V@5A / +12V@1A / +12V@1A / +5V@2A
APS200VP-592	+3.3V@20A / +5V@12A / +15V@1A / +15V@1A / +12V@1A
APS200VP-593	+3.3V@8A / +12V@5A / +12V@3A / +12V@3A / +5V@2A

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

Mechanical Details



Notes

WEIGHT: 1.202kgg (42.40z)

INPUT & OUTPUT CONNECTORS PIN ASSIGNMENT:

OUTPUTS: P2-1,2,3 = V1 / P2-4,5,6,7 = COMM / P2-8,9,10 = V2 / P3-1,2 = V5 / P3-3,4 = V3 / P3-9-10 = V4 / P3-5-6 = V3 P3-7,8 = V4
 SIGNALS: P4-5 = COMM / P4-3 = ENABLE / P4-1 = PWR FAIL / P4-2 = DC OK / P4-4 = 5VSB / P4-7 = +V1-S / P4-8 = -V1S / P4-10 = +V2 S / P4-9 = -V2 S

Mating connector: P1,2,3 Molex # 5195 or 5239 series. P4 Molex # 5264 series or equivalent.