



10.51 x 4.99 x 2.05"

Features:

- * Universal AC Input (90-264 VAC)
- * Hot-Swappable / N+1 Redundant with Active Current Share
- * Fan Fail, Remote Inhibit, Remote Sense & Power Fail Signals
- * 10.51 x 4.99 x 2.05"
- * Worldwide Safety Approvals
- * EN55022 & FCC Class B Emissions
- * CE Mark

Input

Input Voltage 90-264 VAC
 Input Frequency 47-63Hz
 Inrush Current <24A Max @ 230 VAC Cold Start
 Input Current 7A @ 115 VAC / 3.5A @ 230 VAC Typical
 Hold-Up Time >28ms @ 115VAC & 230VAC
 Leakage Current <780 μ A @ 230 VAC
 Power Factor 0.97 - 0.98

General

Efficiency 65-70% typical
 Switching Frequency Fixed (60KHz)
 Topolgy PWM Fixed Frequency Forward Circuit
 Operating Temperature 0 to 50°C full load, derate 2.5% per °C to 70°C max.
 Storage Temperature -25°C to +85°C
 Cooling 35 cfm airflow required

Output

Minimum Load n/a
 Line Regulation $\pm 0.1\%$ typ.
 Load Regulation V1 = $\pm 2.0\%$, V2 = $\pm 2\%$, V3 = $\pm 2.5\%$
 Ripple & Noise $\pm 1\%$ typ. pk-pk @ 20MHz
 Overload Protection Protected against short circuit
 OverVoltage Protection All Outputs Latching at >124% of nominal
 Adjustment $\pm 10\%$ minimum (V1 & V2 Only)
 Transient Response voltage returns < 0.3ms following a 25% load change

EMC & Safety

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

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



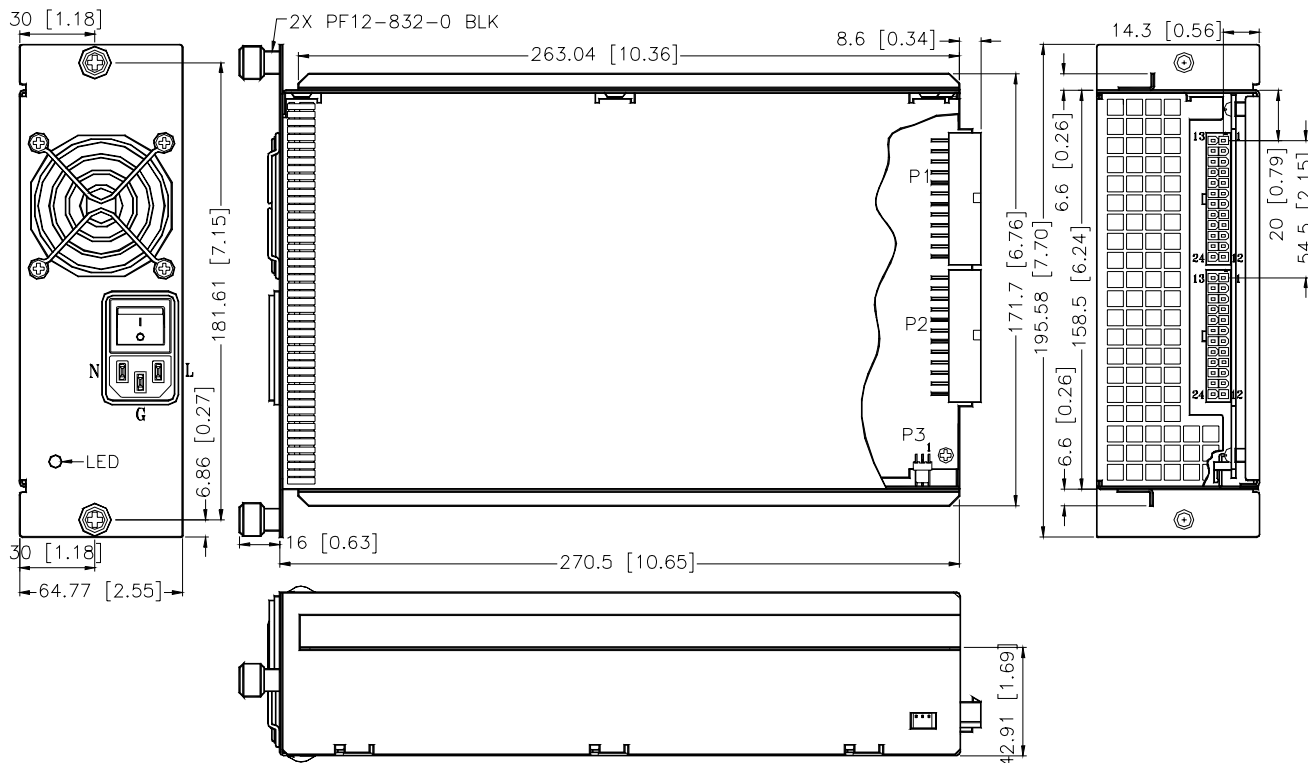
Model Number

APS500VPT-033EI
 APS500VPT-033EK
 APS500VPT-033EM
 APS500VPT-050DI
 APS500VPT-050DK
 APS500VPT-050DM

Outputs

+3.3V @ 100.0A	+5.0V @ 25.0A	+12.0V @ 4.0A
+3.3V @ 100.0A	+5.0V @ 25.0A	+15.0V @ 3.2A
+3.3V @ 100.0A	+5.0V @ 25.0A	+24.0V @ 2.0A
+5.0V @ 75.0A	+3.3V @ 25.0A	+12.0V @ 4.0A
+5.0V @ 75.0A	+3.3V @ 25.0A	+15.0V @ 3.2A
+5.0V @ 75.0A	+3.3V @ 25.0A	+24.0V @ 2.0A

Mechanical Details



Notes

WEIGHT: 3.5kg (7.72lb)

PIN ASSIGNMENTS

AC INPUT

IEC-320 INLET (SEE MECHANICAL DRAWING)

DC OUTPUTS

V1 = P1-1,2,3,4,12,13,14,15,23,24 & P2-1,2,13,14 | V2 = P2-3,4,15,16 | V3 = P2-20,21

SIGNALS

COMM = P1-5,6,7,8,9,10,11,16,17,18,19,20,21,22 & P2-5,6,7,8,17,18,19

POK = P2-10 | +3.3V SHARE = P2-11 | +5V SHARE = P2-24 | +3.3VS = P2-9 | -3.3VS = P2-12 | +5VS = P2-22 | -5VS = P2-23

P3 REMOTE MEASUREMENT CONNECTR: +3.3V = P3-1 | +5V = P3-2 | +12V = P3-3

P1 & P2 Mating connector: Molex 42358-24.