

APS348VP SERIES:



350 Watts / Triple Output

- 10.00 x 5.00 x 2.50" Hot-Swap / Blind-Mate Package

Features:

- Universal AC Input
- Active Power Factor Correction
- Hot-Swap / Blind-Mate Functionality
- Internal OR'ing Diodes for Redundant Operation
- Remote Inhibit, Fan Fail & Power Good Signals
- Current Share on all Outputs
- International Safety Approvals
- 2 Year Warranty

INPUT:

Input Voltage	90-264 VAC
Input Frequency	47-63Hz
Inrush Current	25A Max @ 230 VAC Cold Start
Input Current	3.4A @ 115 VAC / 1.7A @ 230 VAC Typical
Input Protection	Single Fuse
Hold-Up Time	38ms minimum
Leakage Current	<850 μ A @ 230 VAC
Power Factor	EN61000-3-2 Class D Compliant

GENERAL:

Efficiency	75~80% typical
Operating Temperature	0 to 50°C full load, derate 2.5% per °C to 70°C max.
Storage Temperature	-20°C to +85°C
Over-Temp Protection	>85°C Shutdown (Ambient)
Cooling	Internal Ball Bearing Fan
Temp Co-Efficient	0.04% per °C
Operating Humidity	5-90% RH, Non-Condensing
Vibration	5 ~ 50 Hz, acceleration 7.35 m/s ² on X,Y and Z Axis
MTBF	>150k Hrs (according to MIL-HBK-217F) at 30°C

OUTPUT:

Minimum Load	?????
Line Regulation	±0.1% typ.
Load Regulation	±1% max
Ripple & Noise	±1% typ. pk-pk @ 20MHz
Overload Protection	110-140% on all outputs
Over Voltage	Latching at >130% of nominal (all outputs)
Adjustment Range	±5% minimum (all outputs)
Transient Response	recovers <3ms following a 25% load change

EMC:

Electrostatic Discharge	EN61000-4-2, ±4KV Contact / ±8KV Air Discharge
Radiated Susceptibility	EN61000-4-3, 26-1000MHz, 10V/M, 80% AM
EFT / Bursts	EN61000-4-4, ±2KV
Surges	EN61000-4-5, ±2KV Line-Earth, ±1KV Line-Line
Conducted Immunity	EN61000-4-6, 0.15-800MHz, 10V, 80% AM
Voltage Dips	EN61000-4-100, 95% Dip & 10ms, 30% Dip & 500ms
Voltage Interruptions	EN61000-4-11, 95% reduction, 5s
Fluctuations & Flicker	EN61000-3-3

STATUS / CONTROL:

Current Share	All outputs within 10% accuracy
Remote Inhibit	Low signal to inhibit output
Power Good	TTL high 100- 500ms after regulation. It goes low at least 1ms before loss of regulation
Power Disable	Short Pin to Disable Outputs during extraction

APPROVALS:

Emissions	EN55022 "B", FCC Part 15 Subject J Class B
Safety Approvals	UL/cUL 60950
	EN60950
	CE Mark (LVD)

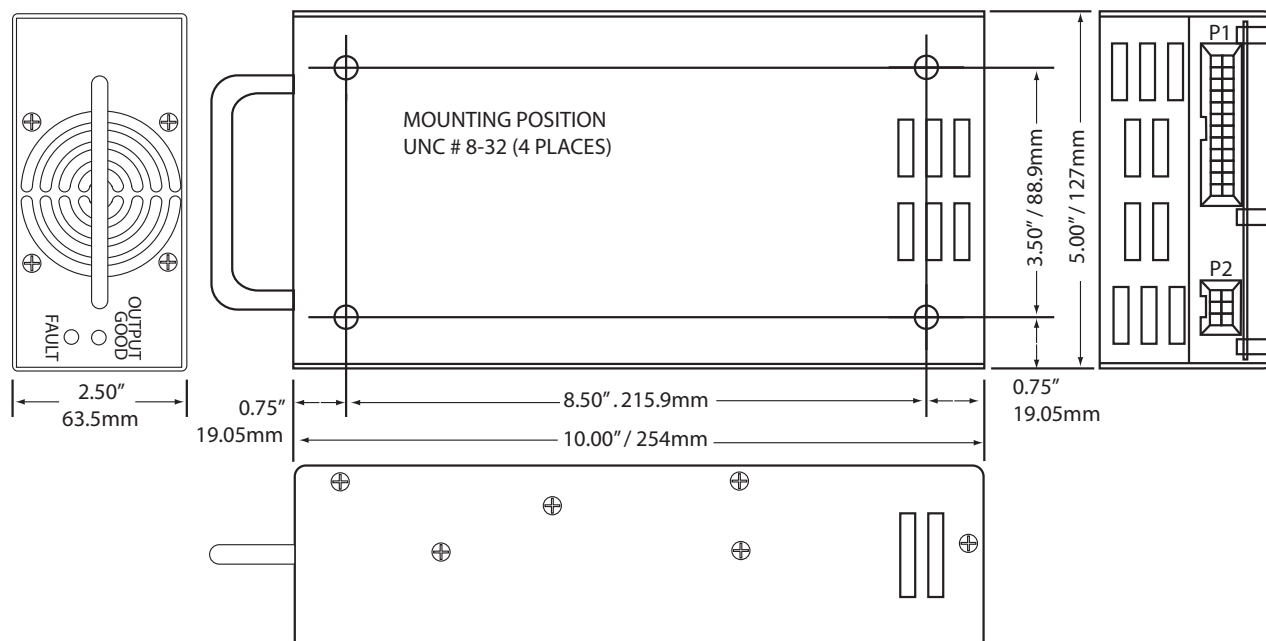
APS348VP SERIES:

Output Specifications:

Model:	V1	A1	V2	A2	V3	A3
APS348VP-T050DI	+5V	28A	+3.3V	20A	+12V	10A
PS348VP-T033EI	+3.3V	28A	+5V	22A	+12V	10A
APS348VP-T050II	+5V	28A	+12V	10A	+12V	6A
APS348VP-T033II	+3.3V	28A	+12V	12A	+12V	8A
APS348VP-T050MI	+5V	28A	+24V	5A	+12V	6A
APS348VP-T240EI	+24V	7.0A	+5V	14A	+12V	8A

Maximum continuous output power not to exceed 350 Watts.

MECHANICAL DRAWING:



PIN ASSIGNMENTS:

Mating connectors: Molex Mini-Fit 42385-06A1 & Molex Mini-Fit 42385-24A1.

CONNECTOR:	P1	P1	P1	P2	P2	P2	P2	P2	P2	P2	P2	P2	P2	P2
PIN NUMBER:	1	3	5	1,2,13,14	7,8,20	9,21	3~5, 15~19	22	10	23	11	24	12	6
FUNCTION:	AC-L	AC-N	AC-G	V1	V2	V3	COMMON	V1 SHARE	V2 SHARE	V3 SHARE	FAN FAIL	INHIBIT	PG	PWR DISABLE