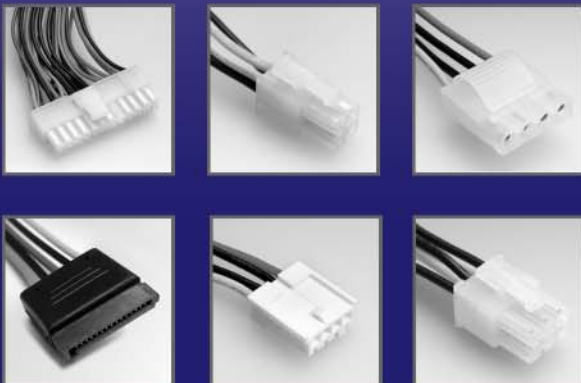




Power Your Idea



SPECIFICATIONS GP-PS450AP



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The specifications are subject to change without notice.

Model No. : GP-PS450AP

1. AC Input

Parameter	Min.	Nom.	Max.
Vin (115 Vac)	90 Vrms	100 – 127 Vrms	135 Vrms
Vin (230 Vac)	180 Vrms	200 – 240 Vrms	264 Vrms
Vin Frequency	47 Hz	50 / 60 Hz	63 Hz

2. Efficiency

78% typically at 50% ROL and 230 Vrms input voltage.

3. DC Output Regulation

Output	Tolerance	Min.	Nom.	Max.	Unit
+5V	+/- 5%	+4.75	+5.00	+5.25	Volts
+3.3V	+/- 5%	+3.14	+3.30	+3.47	Volts
+12V1	+/- 5%	+11.40	+12.00	+12.60	Volts
+12V2	+/- 5%	+11.40	+12.00	+12.60	Volts
-12V	+/- 10%	-10.80	-12.00	-13.20	Volts
+5Vsb	+/- 5%	+4.75	+5.00	+5.25	Volts

4. DC Output Load

DC Output	+5V	+3.3V	+12V1	+12V2	-12V	+5Vsb
Nominal Output Voltage (V)	5	3.3	12	12	-12	5
Min. Current (A)	0.3	0.3	0.5	0.5	0	0
Max. Current (A)	25	25	16	17	0.6	3
Peak Current (A)			13	18		3.5
Max. Power (W)	125	82.5	192	204	7.2	15
Combined Max. Power (W)	130		350		7.2	15
Total Max. Output Power (W)	450					

5. Hold Up Time

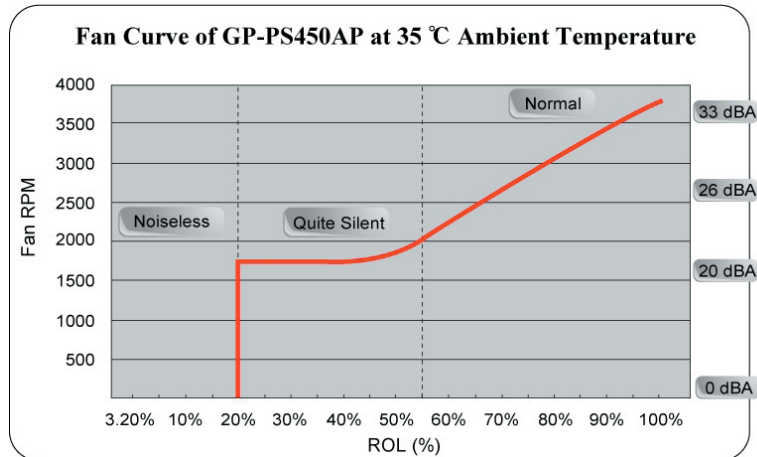
16 mS @ 230 Vrms / 50 Hz, Full Load

6. Rise Time

2 ~ 20 mS

7. Acoustics Noise

0 ~ 25 dBA (Under 50% ROL and 35 °C ambient temperature)



8. Protections

SCP, OVP, OCP, OPP, OTP

9. Over Voltage Protection

Output	Min.	Nom.	Max.	Unit
+3.3 Vdc	3.7	4.2	4.3	Volts
+5 Vdc	5.7	6.3	7.0	Volts
+12 Vdc	13.4	15.0	15.6	Volts
-12 Vdc	-14.0	-14.5	-15.5	Volts

10. Operating Temperature

0 ~ 50 °C

11. Safety (Compliance With)

- UL 60950 3rd Edition – CAN / CSA - C22.2 - 60950 - 00.
- EN60 950 3rd Edition
- IEC60 950 3rd Edition (CB Report to include all national deviations)
- EU Low Voltage Directive (73 / 23 / EEC) (CE Compliance)
- GB4943 - 90 CCIB (China)

12. Mechanical Outline

