

### 1. AC Input

Parameter	Min.	Nom.	Max.
Vin	90 Vrms	100 – 240 Vrms	264 Vrms
Vin Frequency	47 Hz	50 / 60 Hz	63 Hz

### 2. Efficiency

86% 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)	1.0	0.5	1.0	1.0	0	0
Max. Current (A)	22	30	25	20	0.6	3
Peak Current (A)			26	21		3.5
Max. Power (W)	110	100	300	240	7.2	15
Combined Max. Power (W)	180		504		7.2	15
Total Max. Output Power (W)	650					

### 5. Hold Up Time

16 mS @ 230 Vrms / 50 Hz, Full Load

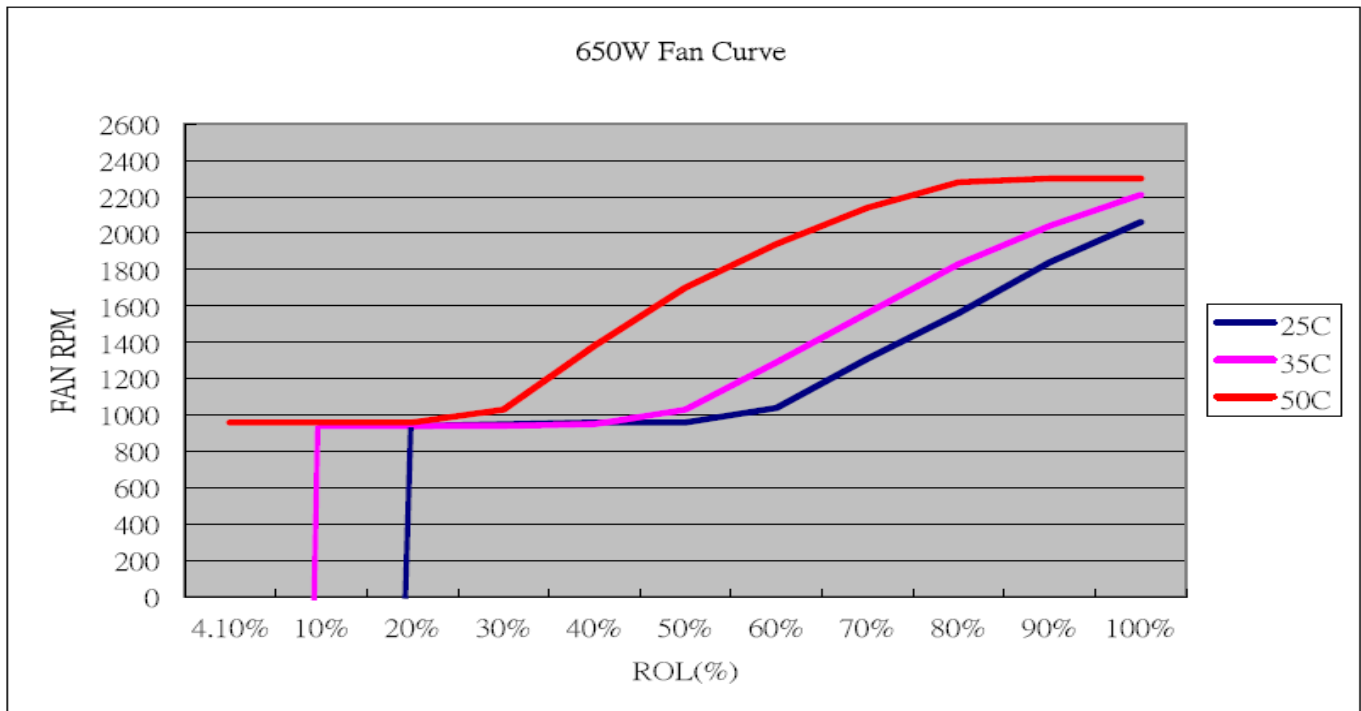
### 6. Rise Time

2 ~ 20 mS

### 7. Acoustics Noise

0 ~ 25 dBA (Under 70% ROL and 35 °C ambient temperature)

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## 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 3<sup>rd</sup> Edition –CAN/CSA-C22.2-60950-00,

EN60 950 3<sup>rd</sup> Edition

IEC60 950 3<sup>rd</sup> Edition (CB Report to include all national deviations)

EU Low Voltage Directive (73/23/EEC) (CE Compliance)

GB4943-90 CCIB (China)

**12. Mechanical Outline**

