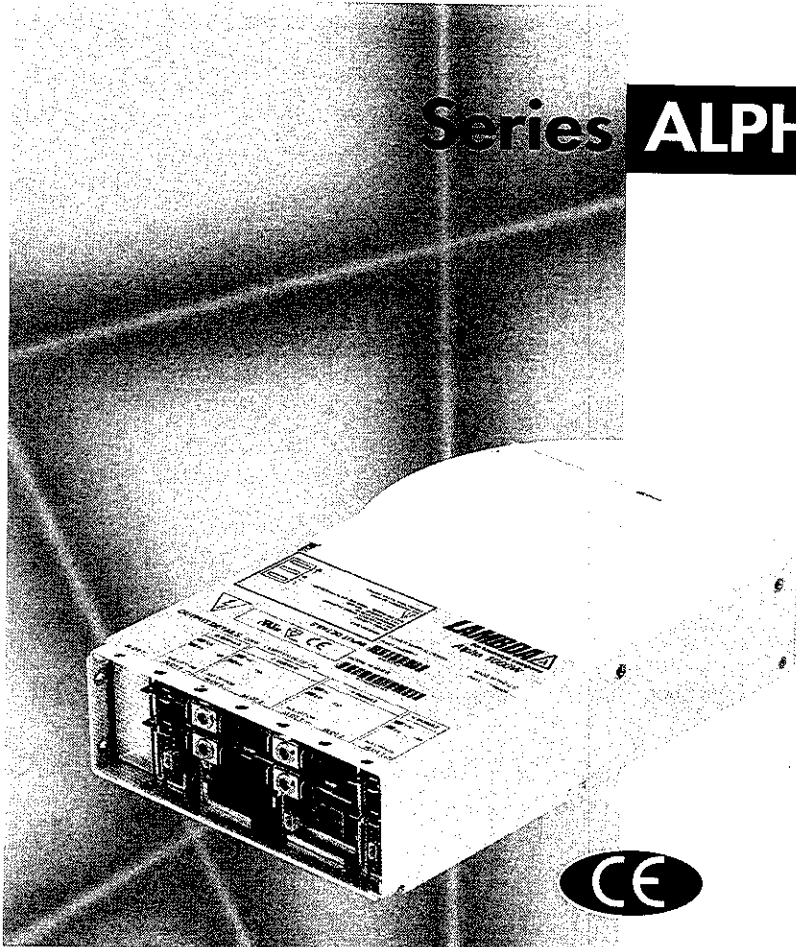


Series ALPHA

LAMBDA 
An Invensys company



400-1000

WATTS

POWER SUPPLY AC/DC

**SINGLE OR
MULTIPLE OUTPUT**

Modular configurable outputs

1 to 14 Outputs

Universal input 85-264 VAC

EN61000-3-2

Low cost

Guarantee 3 years

INPUT

Input voltage range:	ALPHA 400/600: 85-264 VAC ALPHA 1000 - 1000W 90 - 264VAC @ 45°C
Frequency:	47 to 63Hz
In-rush current:	< 50 A
Input frequency:	ALPHA 400/600/1000
-PFC	100 KHz 200 KHz 100 KHz
-Forward convertor	200 KHz 200 KHz 200 KHz
Input protection:	internal fuse
Thermal protection:	standard

OUTPUT

Power:	400 to 1000 W
Voltage adjustment:	Multi-turn potentiometer
Line regulation:	< 0.5%
Load regulation:	< 2% < 0.5% sense connected
Ripple and noise: (value peak to peak)	2%
Overcurrent protection:	standard
Overvoltage protection:	standard

GENERAL

Efficiency:	75% typically
Voltage isolation	
Input-output:	3 KV RMS
Input-ground:	1.5 KV RMS
Output-ground:	500 VDC

ENVIRONMENTAL

Operating temperature range:	-20°C to 70°C
Derating (typ)	100% @ 50°C (45°C ALPHA 1000) 50°C - 70°C derate 2.5%/C
Storage temperature:	-40°C to +70°C
EMI	ALPHA 400/600: Curve B ALPHA 1000: Curve A

STANDARD MODELS

Model	Max.**	Output	Output	Output	Output	Modules
	power	N°1	N°2	N°3	N°4	
	Watts	Volts Amp.	Volts Amp.	Volts Amp.	Volts Amp.	
CA400-5A	300	5V 60A				A
CA400-5S	400	5V 80A				S
CA400-12F	396	12V 33A				F
CA400-24G	400	24V 16.5A				G
CA400-5A, 12C, 12C	400	5V 60A	12V 16A	12V 16A		A, C, C
CA400-5A, 12/12E, 24N	400	5V 60A	12V 8A	12V 8A	12V 5A	A, E, N
CA600-5APP, 5APP	600	5V 120A*				A, A
CA600-24G	528	24V 25A				G
CA600-5A, 12C, 12C	600	5V 60A	12V 16A	12V 16A		A, C, C
CA600-5A, 24D, 12/12E	600	5V 60A	24V 8A	12V 4A	12V 4A	A, D, E
CA600-5A, 3.3Q, 12C, 12C	600	5V 60A	3.3V 60A	12V 16A	12V 16A	A, Q, C, C
CA1000-5A, 12F, 12F	1000	5V 60A	12V 33A	12V 20A		A, F, F
CA1000-12C, 5A, 3.3R, 12F	1000	5V 60A	3.3V 60A	12V 20A	12V 16A	C, A, R, F
CA1000-24G_PP, 24G_PP	1000	24V 40A*				G, G

* Modules in parallel.

** Total output power must not exceed: (400W for ALPHA 400/600W for ALPHA 600/1000W for ALPHA 1000).

CONFIGURED MODELS

If there is not a standard ALPHA power supply to meet your requirements it is possible to configure an ALPHA power supply using any of the standard ALPHA modules. To ensure ALPHA meets your exact requirements please contact Technical Sales.

Module type	A	B	C	D	E		F	G	H		J
No. of slots (1 slot = 23 mm)	2	1	1	1	1		2	2	1		2
Output voltage (pre-set)	5V	5V	12V	24V	12V	12V	12V	24V	24V	24V	36V
Adjustment range	4.5-5.5V	4.5-5.5V	5-16V	18-29V	5-16V	5-16V	9-15.5V	17.5-29V	18-32V	18-32V	30-48V
Output Current	60A	25A	16A-12V 12A- 15V	8A	8A	8A	33A	25A	5A 1A->29V	5A 1A->29V	10A ¹

Module type	K	L	M	N	P		Q	R	S	T	Z
No. of slots (1 slot = 23 mm)	2	1	1	1	1		1	2	2	2	1
Output voltage (Pre-set)	24V	2V	12V	24V	12V	24V	3.3V	3.3V	5V	2V	5V
Adjustment range	18-29V	1.8-2.7V	5-16V	18-32V	5-16V	18-29V	2.7-3.9V	2.7-3.9V	2.5-5.7V	1.8-2.4V	4.5-5.5V
Output Current	15A	25A	8A	5A 1A->29V	8A	5A	25A	60A	85A	60A	25A

*Remote sense not available on twin output modules (E, H and P).

Note 1: Derate 0.25V/A above 40V.

EDITION 2001

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Series ALPHA

OPTIONS

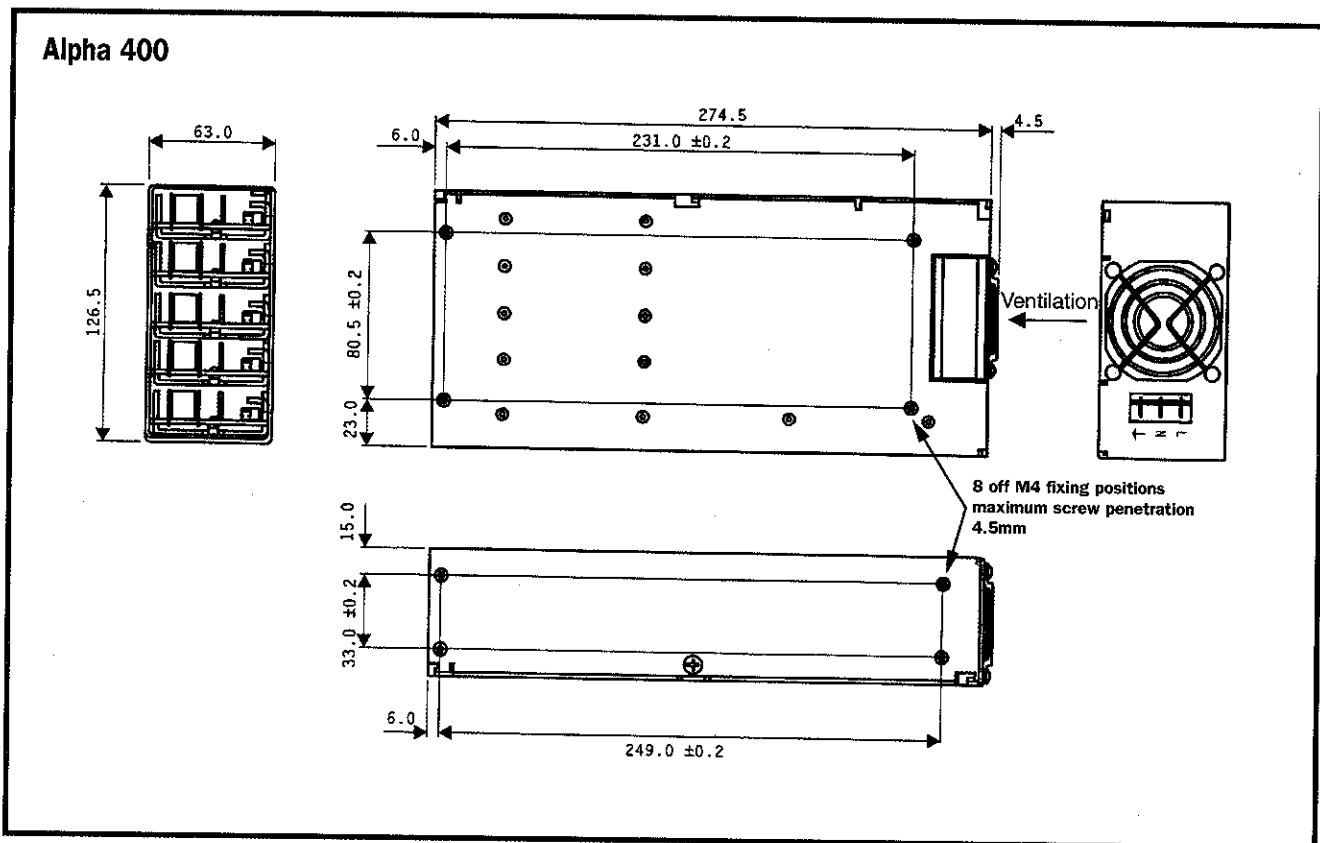
<ul style="list-style-type: none"> - AC Fail - Paralleling (power) - Paralleling (current share) - PSU Inhibit - Module Inhibit - Remote programming 	Options Code: MF PP PA MF IN RP
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Pin	Function
6	N.C
5	N.C
4	Aux. OV
3	Power Fail
2	5V Aux.
1	Inhibit

Mains fail option

PHYSICAL SPEC

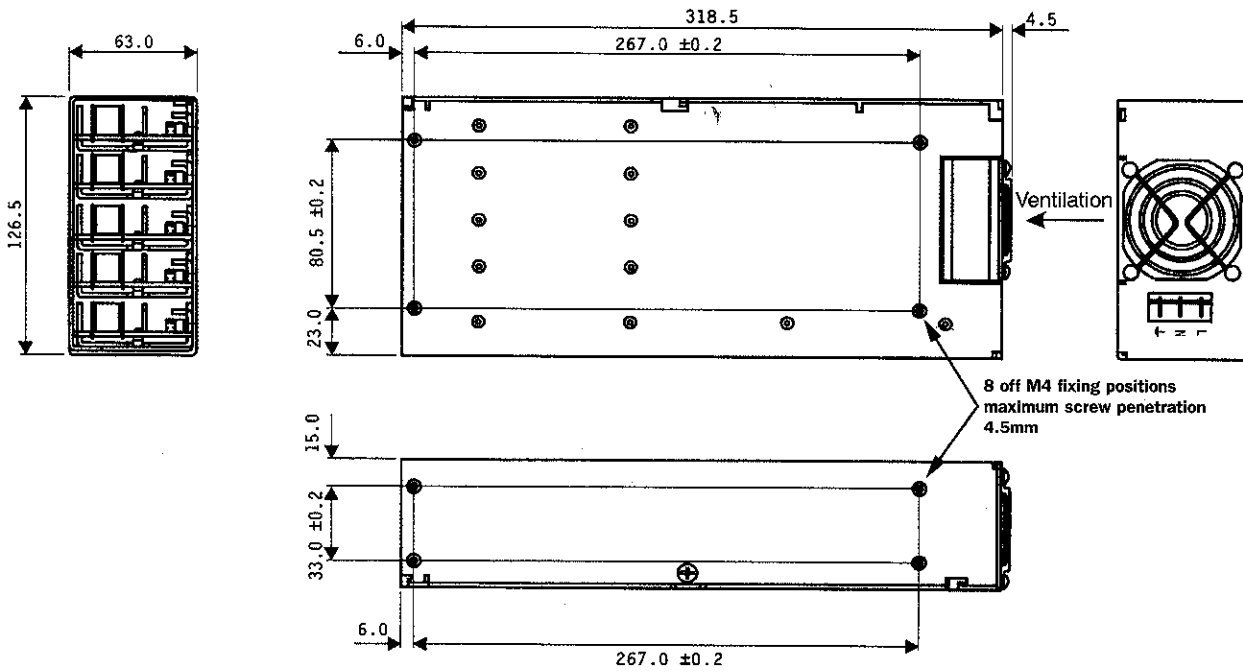


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EDITION 2001

Alpha 600



Alpha 1000

